

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 3		
2. AMENDMENT/MODIFICATION NO. 0298		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309				(x) 9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05			
				10B. DATED (SEE ITEM 13) 06/28/2007			
CODE 193942604		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2 Work Assignments


E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this Modification is to issue Revision 3 to Work Assignment 057RIFS03Q9 and Revision 1 to Work Assignment 063TATA03W6.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John Robb	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 14-10-2014

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Arrowhead Plating Superfund Site Contractor: HGL WA No.: 057RIFS03Q9
 Activity: RIFS EPA Contract No. EP-S3-0705 Revision No.: Three (3)
 Date: 12-17-2014 Contractor Control No. _____ Modification No.: 298
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) Attach SOW including schedule Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) Change in LOE or scope by task Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval Approve change in LOE, scope, or budget Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum Details on scope, budget, or schedule Minor shift within SOW (no change in \$/LOE) Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification Notify contractor to initiate WA closeout task Revise EL after final invoice Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total _____	1746	416,997	900	210,000
This Action _____	0	0	400	0
New Total _____	1746	416,997	1,300	210,000
Funding Category: <u>Bulk</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>03Q9</u>				

4. WA COMPLETION DATE Current: 12-31-2015 Revised: _____

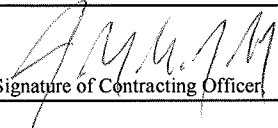
5. EPA COMMENTS:

This WA adds LOE hours to complete the field data collection, including Direct Push Technology (DPT) for soil/groundwater and monitoring well sampling. In addition, Total Oxidant Demand (TOD) analyses from Case No. R34401 will be procured directly by HGL through the Tier IV Process.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Ronnie M. Davis</u> , Ext. 4-3230 <u>12-17-2014</u> Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> , Est. 4-3281 <u>12-17-2014</u> Project Officer Date
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☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer

12-18-2014
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn Area 5 - OU1

Contractor: HGL

WA No.: 063TATA03W6

Activity: Remedial Action Oversight

EPA Contract No. EP-S3-07-05

Revision No.: One (1)

Date: 12/16/2014

Contractor Control No. _____

Modification No.: 298
(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

☐ New WA
Attach SOW including schedule
Designate WAM

☐ WA Amendment (need revised WP and/or cost estimate)
Change in LOE or scope by task
Add additional tasks or funds for increased activity

☐ Partial WP Approval
☐ WP Disapproval
☐ WP Approval
☒ Unilateral Amendment to Final WP Approval
Approve change in LOE, scope, or budget
Approve additional tasks

☐ Technical Direction Memorandum
Details on scope, budget, or schedule
Minor shift within SOW (no change in \$/LOE)
Change WAM
☐ Set or revise expenditure limit (EL)

☐ Incremental Funding
Fund approved WP
☐ WA Closeout Notification
Notify contractor to initiate WA closeout task
Revise EL after final invoice
☐ Other

3. BUDGET INFORMATION

☐ Completion WA ☒ Term WA

Total Funding Received (\$)

Approved Work Plan Budget

Expenditure Limits Not to Be Exceeded

Previous Total

LOE (\$)*
Term WAs Only

LOE (\$)*
Term WAs only

231 35,247

231 35,247

This Action

200 34,916

200 34,916

New Total

431 70,163

431 70,163

Funding Category: Bulk Funding

* Includes fees

* Includes fees

Activity Code: TATA S/SID: 03W6

4. WA COMPLETION DATE

Current: 09-30-2015

Revised: _____

5. EPA COMMENTS:

This work assignment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the Funding and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This WA amendment requires the Contractor to perform an optimization study on the North Penn 5 OU1 pump and treat system.

6. APPROVALS

Contractor Signatures:

Site Manager/Firm

Date

Program Manager/Firm

Date

EPA Signatures:

/s/ Sharon Fang

12-16-2014

Work Assignment Manager

Date

Phone Number

215-814-3018

/s/ Mikal Shabazz

12-16-2014

Project Officer

Date

Phone Number

215-814-3281

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

Signature of Contracting Officer, _____

Date 12/18/2014

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 0299		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
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	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2 Work Assignments

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ 0 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this Modification is to issue Revision 14 to Work Assignment 005MEME0360, Revision 15 to Work Assignment 023RSBD03EQ and Revision 12 to Work Assignment 039TATA0311.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John Robb	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED 1-8-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Central Chemical Contractor: HGL WA No.: 023RSBD03EQ

Activity: RIFS Oversight EPA Contract No. EPS30705 Revision No.: 15 (Fifteen)

Date: 01-07-2015 Contractor Control No. _____ Modification No.: 299

(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend POP</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$) Previous Total <u>556,360</u> This Action <u>0</u> New Total <u>556,360</u> Funding Category: <u>Bulk and Site Specific</u> Activity Code: <u>RSBD</u> S/SID: <u>03EQ</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Approved Work Plan Budget</th> </tr> <tr> <th style="text-align: center;">LOE</th> <th style="text-align: center;">(\$)*</th> </tr> <tr> <td colspan="2" style="text-align: center;">Term WAs Only</td> </tr> <tr> <td style="text-align: center;"><u>3,979</u></td> <td style="text-align: center;"><u>609,049</u></td> </tr> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;"><u>3,979</u></td> <td style="text-align: center;"><u>609,049</u></td> </tr> </table> <p style="text-align: center;">* Includes fees</p>	Approved Work Plan Budget		LOE	(\$)*	Term WAs Only		<u>3,979</u>	<u>609,049</u>	<u>0</u>	<u>0</u>	<u>3,979</u>	<u>609,049</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Expenditure Limits Not to Be Exceeded</th> </tr> <tr> <th style="text-align: center;">LOE</th> <th style="text-align: center;">(\$)*</th> </tr> <tr> <td colspan="2" style="text-align: center;">Term WAs only</td> </tr> <tr> <td style="text-align: center;"><u>3,979</u></td> <td style="text-align: center;"><u>556,360</u></td> </tr> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;"><u>3,979</u></td> <td style="text-align: center;"><u>556,360</u></td> </tr> </table> <p style="text-align: center;">* Includes fees</p>	Expenditure Limits Not to Be Exceeded		LOE	(\$)*	Term WAs only		<u>3,979</u>	<u>556,360</u>	<u>0</u>	<u>0</u>	<u>3,979</u>	<u>556,360</u>
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<u>0</u>	<u>0</u>																									
<u>3,979</u>	<u>556,360</u>																									

4. WA COMPLETION DATE Current: 12-31-2014 Revised: 12-31-2015

5. EPA COMMENTS:

The Amendment extends the POP to 12/31/2015

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: <u>Robert Wallace /4-3278</u> <u>01/7/2015</u> Work Assignment Manager/Phone Date <u>Mikal Shabazz /4-3281</u> <u>01/07/2015</u> Project Officer/Phone Date
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☒ Approved As Submitted
 ☐ Approved With Changes
 ☐ Not Approved

Signature of Contracting Officer

1-8-15
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Lehigh Electric – OU1 Site Wide Contractor: HGL WA No.: 039TATA0311
 Activity: Technical Assistance EPA Contract No. EP-S3-07-05 Revision No.: 12 (Twelve)
 Date: 01/08/2015 Contractor Control No. _____ Modification No.: 299
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Unilateral Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other Extending POP
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total	<u>1696</u>	<u>210,470</u>	<u>1696</u>	<u>205,470</u>
This Action	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
New Total	<u>1696</u>	<u>210,470</u>	<u>1696</u>	<u>210,470</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>TATA</u> S/SID: <u>0311</u>				

4. WA COMPLETION DATE Current: 12-31-2014 Revised: 12-31-2015

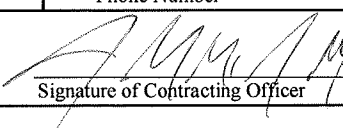
5. EPA COMMENTS:

This work assignment extends the Period of Performance to 12/31/2015

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Roy Schrock</u> _____ 01-08-2015 Work Assignment Manager Date Phone Number <u>215-814-3210</u> /s/ <u>Mikal Shabazz</u> _____ 01-08-2015 Project Officer Date Phone Number <u>215-814-3281</u>
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☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer

1-8-15
 Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 0300		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

- ☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
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	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2 Work Assignments

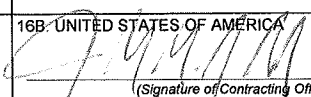
E. IMPORTANT: Contractor ☒ is not. ☐ is required to sign this document and return _____ 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this Modification is to issue Revision 13 to Work Assignment 044RICOA3Z4 and Revision 2 to Work Assignment 063TATA03W6.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John Robb	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA 	16C. DATE SIGNED 1-22-15
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Peck Iron and Metal Contractor: HGL WA No.: 044RICOA3Z4
 Activity: RIFS EPA Contract No. EP-S3-07-05 Revision No.: 13 (Thirteen)
 Date: 01-21-2015 Contractor Control No. _____ Modification No.: 300
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the period of performance</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$) Previous Total _____ This Action _____ New Total _____ Funding Category: <u>Bulk Funding</u> Activity Code: <u>RICO</u> S/SID: <u>A3Z4</u>	Approved Work Plan Budget <table style="width: 100%;"> <tr> <th style="width: 50%;">LOE Term WAs Only</th> <th style="width: 50%;">(\$)*</th> </tr> <tr> <td style="text-align: center;"><u>11,173</u></td> <td style="text-align: center;"><u>2,108,753</u></td> </tr> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;"><u>11,173</u></td> <td style="text-align: center;"><u>2,108,753</u></td> </tr> </table> * Includes fees	LOE Term WAs Only	(\$)*	<u>11,173</u>	<u>2,108,753</u>	<u>0</u>	<u>0</u>	<u>11,173</u>	<u>2,108,753</u>	Expenditure Limits Not to Be Exceeded <table style="width: 100%;"> <tr> <th style="width: 50%;">LOE Term WAs only</th> <th style="width: 50%;">(\$)*</th> </tr> <tr> <td style="text-align: center;"><u>7090</u></td> <td style="text-align: center;"><u>1,245,000</u></td> </tr> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>20,000</u></td> </tr> <tr> <td style="text-align: center;"><u>7,090</u></td> <td style="text-align: center;"><u>1,265,000</u></td> </tr> </table> * Includes fees	LOE Term WAs only	(\$)*	<u>7090</u>	<u>1,245,000</u>	<u>0</u>	<u>20,000</u>	<u>7,090</u>	<u>1,265,000</u>
LOE Term WAs Only	(\$)*																	
<u>11,173</u>	<u>2,108,753</u>																	
<u>0</u>	<u>0</u>																	
<u>11,173</u>	<u>2,108,753</u>																	
LOE Term WAs only	(\$)*																	
<u>7090</u>	<u>1,245,000</u>																	
<u>0</u>	<u>20,000</u>																	
<u>7,090</u>	<u>1,265,000</u>																	

4. WA COMPLETION DATE Current: 12-31-2014 Revised: 12-31-2016

5. EPA COMMENTS:

This amendment extends the POP to 12/31/2016. It also facilitates Tier 4 laboratory procurement that will be used to provide analysis of samples collected during Field Events 4 through 14 for parameters that are otherwise analyzed through the DAS program.

The contractor should continue to send analytical request forms for DAS parameters to OASQA and await authorization from the WAM prior to issuing procurement requests for Tier IV analytical services.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Debra Rossi</u> _____ 01-21-2015 Work Assignment Manager Date Phone Number <u>(4-3228)</u> /s/ <u>Mikal Shabazz</u> _____ 01-21-2015 Environmental Engineer Date
---	--

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Signature of Contracting Officer

Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn Area 5 - OU1 Contractor: HGL WA No.: 063TATA03W6
 Activity: Technical Assistance EPA Contract No. EP-S3-07-05 Revision No.: Two (2)
 Date: 01/21/2015 Contractor Control No. _____ Modification No.: 300
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other
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3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input checked="" type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total <u>0</u>	<u>431</u>	<u>70,163</u>	<u>789</u>	<u>125,346</u>
This Action <u>0</u>	<u>498</u>	<u>78,950</u>	<u>498</u>	<u>78,950</u>
New Total <u>0</u>	<u>929</u>	<u>149,113</u>	<u>929</u>	<u>149,113</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>TATA</u> S/SID: <u>03W6</u>				

4. WA COMPLETION DATE Current: 09-30-2015 Revised: _____

5. EPA COMMENTS:

This work assignment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the Funding and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

Provide technical assistance with Environmental Alliance comment 19 that requires analyzing 17 sites listed for similarities and dissimilarities, as well as, providing a draft response for comments 5, 6, 7, 8, 10, 12, 13, 14 & 15. In addition, a draft response for Geosyntec's comments is required.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Sharon Fang</u> _____ 01-21-2015 Work Assignment Manager Phone Number <u>215-814-3018</u> /s/ <u>Mikal Shabazz</u> _____ 01-21-2015 Project Officer Phone Number <u>215-814-3281</u>
---	---

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Signature of Contracting Officer: [Signature] Date: 1-22-15

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 0301		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x) 9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 193942604 FACILITY CODE		x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05		10B. DATED (SEE ITEM 13) 06/28/2007	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2 Work Assignments

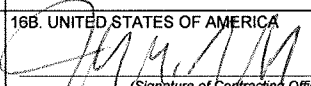
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this Modification is to issue Revision 14 to Work Assignment 044RICOA3Z4 and Revision 2 to Work Assignment 061TATAA3WY.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John Robb	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 1-29-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Baghurst Drive Contractor: HGL WA No.: 061TATAA3WY
 Activity: Technical Assistance EPA Contract No. EP-S3-07-05 Revision No.: Two (2)
 Date: 01/26/2015 Contractor Control No. _____ Modification No.: 301
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA <input type="checkbox"/> Attach SOW including schedule <input type="checkbox"/> Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) <input type="checkbox"/> Change in LOE or scope by task <input type="checkbox"/> Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Unilateral WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval <input type="checkbox"/> Approve change in LOE, scope, or budget <input type="checkbox"/> Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum <input type="checkbox"/> Details on scope, budget, or schedule <input type="checkbox"/> Minor shift within SOW (no change in \$/LOE) <input type="checkbox"/> Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification <input type="checkbox"/> Notify contractor to initiate WA closeout task <input type="checkbox"/> Revise EL after final invoice <input type="checkbox"/> Other
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total _____ 0	794	75,400	794	75,400
This Action _____ 0	80	10,000	80	10,000
New Total _____ 0	874	85,400	874	85,400
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>TATA</u> S/SID: <u>A3WY</u>				

4. WA COMPLETION DATE Current: 03-31-2015 Revised: _____

5. EPA COMMENTS:

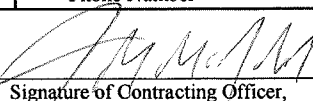
This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the cost and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This WAF adds LOE and dollars. The additional LOE is needed because the effort to manually transfer data from historical reports to EQuIS and project databases has been significantly greater than anticipated.

6. APPROVALS

Contractor Signatures:	EPA Signatures:
Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	/s/ <u>Charlie Root</u> _____ 01-26-2015 Work Assignment Manager Date Phone Number <u>215-814-3193</u> /s/ <u>Mikal Shabazz</u> _____ 01-26-2015 Project Officer Date Phone Number <u>215-814-3281</u>

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 _____
 Signature of Contracting Officer, Date 1-29-15

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 0302		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		7. ADMINISTERED BY (If other than Item 6)	
CODE		R3		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 193942604		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2 Work Assignments & G.6 Contract Administration Representatives

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ 0 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

1. The purpose of this Modification is to issue Revision 12 to Work Assignment 007ROBE0306, Revision 13 to WOrk Assignment 008RSBD0306 and Revision 10 to Work Assignment 015RXBF03Z8.

2. Clause G.6, Contract Administration Representatives

The Contracting Officer is changed to:

Tiffany K. Gillespie

Phone: 215-814-5308

Email: gillespie.tiffany@epa.gov

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John Robb	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED 2-19-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 0303		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2 Work Assignments

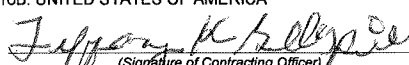
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this Modification is to issue Revision 41 to Work Assignment 006RICO032C, Revision 13 to Work Assignment 007ROBE0306 and Revision 9 to Work Assignment 035RICOC368.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 03/05/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: <u>Jackson Ceramics, Inc.</u>	Contractor: <u>HGL</u>	WA No.: <u>006RICO032C</u>
Activity: <u>RI/FS</u>	EPA Contract No. <u>EP-S3-07-05</u>	Revision No.: <u>41 (Forty-One)</u>
Date: <u>03-03-2015</u>	Contractor Control No. _____	Modification No.: <u>303</u>
(Contracting Officer Use Only)		

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$) * Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$) * Term WAs only
Previous Total _____	<u>24,879</u> <u>2,968,520</u>	<u>24,872</u> <u>2,844,207</u>
This Action _____	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>
New Total _____	<u>24,879</u> <u>2,968,520</u>	<u>24,872</u> <u>2,844,207</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees	* Includes fees
Activity Code: <u>RICO</u> S/SID: <u>032C</u>		

4. WA COMPLETION DATE Current: 03-31-2016 Revised: _____

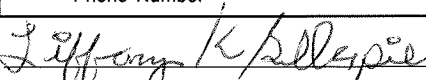
5. EPA COMMENTS:

The Work Assignment amendment adds (Tier 4) laboratory analyses for 2 soil and 2 wastewater samples for sulfides in order to complete characterization for waste disposal and requires to the contractor to obtain services from a qualified laboratory to perform laboratory chemical analysis of 2 soil samples for Sulfide Method: SW9030B/9034 and 2 non-potable water groundwater/wastewater samples for Sulfide Method: SW9030B/9034. The contractor will coordinate with the WAM prior to commencing with any sampling.

6. APPROVALS

Contractor Signatures: _____ Site Manager/Firm Date _____ Program Manager/Firm Date	EPA Signatures: /s/ <u>Stephen Tyahla</u> <u>03-04-2015</u> Work Assignment Manager Date Phone Number <u>215-814-3268</u> /s/ <u>Mikal Shabazz</u> <u>03-04-2015</u> Project Officer Date Phone Number <u>215-814-2997</u>
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☒ Approved As ☐ Approved With ☐ Not
 Submitted Changes Approved

 03/05/15
 Signature of Contracting Officer Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 5		
2. AMENDMENT/MODIFICATION NO. 0304		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-R3-15-00159		5. PROJECT NO. (If applicable)	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309				(X) 9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05			
				10B. DATED (SEE ITEM 13) 06/28/2007			
CODE 193942604		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Increase:		\$8,830.00	
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X		D. OTHER (Specify type of modification and authority) B.2 Work Assignments; B.6 Limitation of Funds Notice					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ 0 copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: 193942604 See Item 14 Continuation							

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 03/12/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-88)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-S3-07-05/0304	PAGE	OF
		2	5

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0066	<p>Add Item 0066 as follows:</p> <p>North Penn Area 7 Site ID: 03X1 EPA ID# PAD002498632</p> <p>Activity (if Site please provide the OU, if applicable): OU3 groundwater study/ analysis Tier 4 procurement</p> <p>Dollar Amount: \$8830 (Special account is available)</p> <p>New or Ongoing: ongoing</p> <p>Contract Name and Number: HGL Inc.</p> <p>Task Order for the Contract : contract number EP-S3-07-05, work assignment WA 046RIFS03XI, A brief description of the activity being funded: groundwater analysis Tier 4 procurement</p> <p>POC: David Turner 215-814-3216</p> <p>Obligated Amount: \$8,830.00</p> <p>Accounting Info:</p> <p>15-TR2B-03S0XX1-303DD2-2505-03X1FS03-C002-1503SK10</p> <p>17-001 BFY: 15 Fund: TR2B Budget Org: 03S0XX1</p> <p>Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03X1FS03 Cost: C002 DCN - Line ID: 1503SK1017-001</p> <p>Funding Flag: Partial</p> <p>Funded: \$8,830.00</p>				8,830.00

Modification 304

Item 14 Continuation

1. The purpose of this modification is to obligate funding and to issue Revision 7 to Work Assignment 046RIFS03X1 and Revision 16 to Work Assignment 052RICO03DR.

2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 296	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	Exemption (b) (4)		
Fixed Fee			
Total	\$40,363,543.40	\$8,830.00	\$40,372,373.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Chem-Fab OU 1 Contractor: HGL WA No.: 052RICO03DR
 Activity: RIFS EPA Contract No. EP-S3-07-05 Revision No.: 16 (Sixteen)
 Date: 03/09/2015 Contractor Control No. _____ Modification No.: 304
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total _____	<u>4,236</u>	<u>861,133</u>	<u>3,976</u>	<u>836,304</u>
This Action _____	<u>50</u>	<u>5,000</u>	<u>50</u>	<u>5,000</u>
New Total _____	<u>4,286</u>	<u>866,133</u>	<u>4,036</u>	<u>841,304</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>03DR</u>				

4. WA COMPLETION DATE Current: 06-30-2015 Revised: _____

5. EPA COMMENTS:

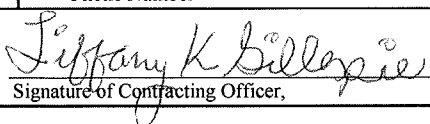
This amendment informs HGL that the Workplan for an injection pilot study noted on Revision 15, is no longer required.

Additionally, this amendment directs HGL to develop a workplan to install additional monitoring wells, collect groundwater samples and conduct other activities recommended in the Data Evaluation Report from January 2015.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Huu Ngo</u> _____ 03-09-2015 Work Assignment Manager Date Phone Number <u>215-814-3187</u> /s/ <u>Mikal Shabazz</u> _____ 03-09-2015 Project Officer Date Phone Number <u>215-814-3281</u>
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☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

 03/12/15
 Signature of Contracting Officer, Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 5			
2. AMENDMENT/MODIFICATION NO. 0305		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-R3-15-00116		5. PROJECT NO. (If applicable)		
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		7. ADMINISTERED BY (If other than Item 6)		CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309				(X)			9A. AMENDMENT OF SOLICITATION NO.	
							9B. DATED (SEE ITEM 11)	
				X			10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
							10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE						
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS								
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.								
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Increase:		\$8,000,000.00		
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.								
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X		D. OTHER (Specify type of modification and authority) B.2 Work Assignments; B.4 Estim. Cost & Fixed Fee; B.5 Subc Pool; B.6 Limit of Funds Notice; H.24 & H.25						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ 0 _____ copies to the issuing office.								
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: 193942604 See Item 14 Continuation								

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	
		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	
		16C. DATE SIGNED 03/19/15	

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-S3-07-05/0305	PAGE OF 2 5
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NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0067	<p>Add Item 0067 as follows:</p> <p>Standard Chlorine of DE SSID: 03H6 Site ID: DED041212473 Activity: OU3 Remedial Action Dollar Amount: \$8,000,000 New or Ongoing: Ongoing Contract Name and Number: Remedial Action Contract (RAC), EP-S3-07-05 HGL Task Order for the Contract: 060RARA03H6 Brief description of the activity being funded: Construction of multi-layer geosynthetic liner and soil cap with soil gas collection and treatment system to address contaminated soil in the former plant area (OU3). BOC: Brad White 215-814-3217 Obligated Amount: \$8,000,000.00</p> <p>Accounting Info: 15-T-3AS0RH6-303DD2-2505-C001-153ASE1007-001 BFY: 15 Fund: T Budget Org: 3AS0RH6 Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03H6RA03 Cost: C001 DCN - Line ID: 153ASE1007-001 Funding Flag: Partial Funded: \$8,000,000.00</p>				8,000,000.00

Modification 305

Item 14 Continuation

1. The authority for this modification is Clause B.2, Work Assignments; B.4, Estimated Cost & Fixed Fee; B.5, Subcontracting Pool; B.6, Limitation of Funds Notice; H.24, Option for Increased Quantity – Term Form Segment and H.25, Option for Increased Quantity – Subcontracting Pool.

2. The purpose of this modification is to exercise two (2) term form option increments, three (3) subpool option increments, obligate funding and to issue Revision 4 to WA 060RARA03H6.

3. In accordance with Section H, paragraph H.24, “Option for Increased Quantity – Term Form Segment”, two (2) 10,000 direct labor hour options are hereby exercised.

In accordance with Section H, paragraph H.25, “Option for Increased Quantity – Subcontracting Pool, three (3) subpool options are hereby exercised: One (1) subcontracting pool @ \$^{Exemption (b) (4)} & two (2) subcontracting pools @ \$^{Exemption (b) (4)}

As a result thereof, Section B, Paragraph B.4, Estimated Cost and Fixed Fee (EP 52.216-190) & Paragraph B.5, Subcontracting Pool (Term Form Segment), are modified as follows:

	Estimated Cost Thru MOD 293	Increase by this Modification	Total Estimated Cost
(a) Term Form Segment			
Estimated Cost	Exemption (b) (4) —		
Fixed Fee			
Total			
(b) Subcontracting Pool			
Estimated Cost	Exemption (b) (4) —		
Fixed Fee			
Total			
(c) Total Contract (a) + (b)			
Estimated Cost	\$Exemption (b) (4) —		
Fixed Fee			
Total	\$44,898,954.00	\$15,157,482.00	\$60,056,436.00

4. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 304	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$ Exemption (b) (4)		
Fixed Fee			
Total	\$40,372,373.40	\$8,000,000.00	\$48,372,373.40

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 0306		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2 Work Assignments

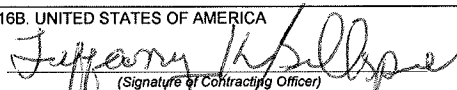
E. IMPORTANT: Contractor ☒ is not. ☐ is required to sign this document and return _____ 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 13 to Work Assignment 016RSBD03M3, Revision 9 to Work Assignment 022RICO03H6 and Revision 3 to Work Assignment 059RICOE309.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 03-26-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Culpeper Wood Preservers Contractor: HGL WA No.: 016RSBD03M3
 Activity: RIFS/Oversight EPA Contract No. EP-S3-0705 Revision No.: 13 (Thirteen)
 Date: 03-23-2015 Contractor Control No. _____ Modification No.: 306
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) <input type="checkbox"/> Attach SOW including schedule <input type="checkbox"/> Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) <input type="checkbox"/> Change in LOE or scope by task <input type="checkbox"/> Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval <input type="checkbox"/> Approve change in LOE, scope, or budget <input type="checkbox"/> Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum <input type="checkbox"/> Details on scope, budget, or schedule <input type="checkbox"/> Minor shift within SOW (no change in \$/LOE) <input type="checkbox"/> Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification <input type="checkbox"/> Notify contractor to initiate WA closeout task <input type="checkbox"/> Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
--	---	---	---	--

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget <table style="width: 100%;"> <tr> <th style="width: 50%;">LOE Term WAs Only</th> <th style="width: 50%;">(\$)*</th> </tr> <tr> <td style="text-align: center;">1210</td> <td style="text-align: center;">136.700</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">1210</td> <td style="text-align: center;">136.700</td> </tr> </table>	LOE Term WAs Only	(\$)*	1210	136.700	0	0	1210	136.700	Expenditure Limits Not to Be Exceeded <table style="width: 100%;"> <tr> <th style="width: 50%;">LOE Term WAs only</th> <th style="width: 50%;">(\$)*</th> </tr> <tr> <td style="text-align: center;">1210</td> <td style="text-align: center;">136.700</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">1210</td> <td style="text-align: center;">136.700</td> </tr> </table>	LOE Term WAs only	(\$)*	1210	136.700	0	0	1210	136.700
LOE Term WAs Only	(\$)*																	
1210	136.700																	
0	0																	
1210	136.700																	
LOE Term WAs only	(\$)*																	
1210	136.700																	
0	0																	
1210	136.700																	
Previous Total <u>0</u> This Action <u>0</u> New Total <u>0</u> Funding Category: <u>Bulk Funding</u> Activity Code: <u>RSBD</u> S/SID: <u>03M3</u>	* Includes fees																	

4. WA COMPLETION DATE Current: 12-31-2014 Revised: 12-31-2015

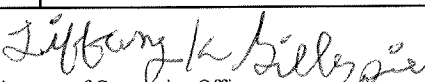
5. EPA COMMENTS:

This amendment extends the Period of Performance to 12/31/2015. Also, please change the WAM from Andrew Palestini to Bruce Rundell.

6. APPROVALS

Contractor Signatures: <table style="width: 100%;"> <tr> <td style="width: 60%;">Site Manager/Firm</td> <td style="width: 40%;">Date</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> <tr> <td>Program Manager/Firm</td> <td>Date</td> </tr> </table>	Site Manager/Firm	Date			Program Manager/Firm	Date	EPA Signatures: <table style="width: 100%;"> <tr> <td style="width: 60%;">/s/ <u>Bruce Rundell</u></td> <td style="width: 40%;">03-23-2015</td> </tr> <tr> <td>Work Assignment Manager</td> <td>Date</td> </tr> <tr> <td style="text-align: right;">Phone Number <u>()</u></td> <td></td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> <tr> <td>/s/ <u>Mikal Shabazz</u></td> <td>03-23-2015</td> </tr> <tr> <td>Environmental Engineer</td> <td>Date</td> </tr> </table>	/s/ <u>Bruce Rundell</u>	03-23-2015	Work Assignment Manager	Date	Phone Number <u>()</u>				/s/ <u>Mikal Shabazz</u>	03-23-2015	Environmental Engineer	Date
Site Manager/Firm	Date																		
Program Manager/Firm	Date																		
/s/ <u>Bruce Rundell</u>	03-23-2015																		
Work Assignment Manager	Date																		
Phone Number <u>()</u>																			
/s/ <u>Mikal Shabazz</u>	03-23-2015																		
Environmental Engineer	Date																		

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer,

Date 03-26-15

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Standard Chlorine of Delaware, Inc. Contractor: HGL WA No.: 022RICO03H6
 Activity: RI/FS EPA Contract No. EP-S3-0705 Revision No.: 9 (Nine)
 Date: 03-25-2015 Contractor Control No. _____ Modification No.: 306
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other _____
--	---	---	---	---

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total	<u>7300</u>	<u>1,715,425</u>	<u>7300</u>	<u>1,715,425</u>
This Action	<u>250</u>	<u>35,000</u>	<u>0</u>	<u>0</u>
New Total	<u>7550</u>	<u>1,750,425</u>	<u>7300</u>	<u>1,715,425</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>03H6</u>				

4. WA COMPLETION DATE Current: 12-31-2015 Revised: _____

5. EPA COMMENTS:

This work assignment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the Funding and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This amendment adds 250 LOE to the approved work plan budget to continue activities under this work assignment. Specifically:

The contractor shall revise the 2007 human health and ecological risk assessment for wetlands sediment, surface water and biota with current data and risk screening levels. The findings shall be incorporated into the risk assessment being prepared as part Task 7 of this work assignment.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Brad White</u> _____ 03-25-2015 Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> _____ 03-25-2015 Environmental Engineer Date
---	---

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer,

Date 03-26-15

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Dwyer -- OU1 Contractor: HGL WA No.: 059RICOE309
 Activity: RIFS EPA Contract No. EP-S3-07-05 Revision No.: 3 (Three)
 Date: 03-23-2015 Contractor Control No. _____ Modification No.: 306
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) <input type="checkbox"/> Attach SOW including schedule <input type="checkbox"/> Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) <input type="checkbox"/> Change in LOE or scope by task <input type="checkbox"/> Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval <input type="checkbox"/> Approve change in LOE, scope, or budget <input type="checkbox"/> Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum <input type="checkbox"/> Details on scope, budget, or schedule <input type="checkbox"/> Minor shift within SOW (no change in \$/LOE) <input type="checkbox"/> Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding <input type="checkbox"/> Fund approved WP <input type="checkbox"/> WA Closeout Notification <input type="checkbox"/> Notify contractor to initiate WA closeout task <input type="checkbox"/> Revise EL after final invoice <input type="checkbox"/> Other
--	---	---	---	--

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget <table style="width: 100%;"> <tr> <th style="text-align: left;">LOE</th> <th style="text-align: right;">(\$)*</th> </tr> <tr> <td colspan="2" style="text-align: center;">Term WAs Only</td> </tr> <tr> <td>Previous Total</td> <td style="text-align: right;">10,887 2,331.169</td> </tr> <tr> <td>This Action</td> <td style="text-align: right;">0 0</td> </tr> <tr> <td>New Total</td> <td style="text-align: right;">10,887 2,331.169</td> </tr> </table> * Includes fees	LOE	(\$)*	Term WAs Only		Previous Total	10,887 2,331.169	This Action	0 0	New Total	10,887 2,331.169	Expenditure Limits Not to Be Exceeded <table style="width: 100%;"> <tr> <th style="text-align: left;">LOE</th> <th style="text-align: right;">(\$)*</th> </tr> <tr> <td colspan="2" style="text-align: center;">Term WAs only</td> </tr> <tr> <td>5100</td> <td style="text-align: right;">510,000</td> </tr> <tr> <td>0</td> <td style="text-align: right;">0</td> </tr> <tr> <td>5100</td> <td style="text-align: right;">510,000</td> </tr> </table> * Includes fees	LOE	(\$)*	Term WAs only		5100	510,000	0	0	5100	510,000
LOE	(\$)*																					
Term WAs Only																						
Previous Total	10,887 2,331.169																					
This Action	0 0																					
New Total	10,887 2,331.169																					
LOE	(\$)*																					
Term WAs only																						
5100	510,000																					
0	0																					
5100	510,000																					

Funding Category: Bulk Funding
 Activity Code: RICO S/SID: E309

4. WA COMPLETION DATE

Current: 12-30-2016

Revised: _____

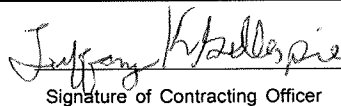
5. EPA COMMENTS:

This work assignment amendment directs HGL to procure laboratory services as described in the Dwyer SOW (WBS 1.3 and 4.0) and the approved Dwyer Sampling and Analysis Plan dated March 2015 as needed under Tier IV of the Contract Laboratory Program. Expected analyses include VOCs, SVOCs, SVOCs (filtered), 1,4-dioxane, Total Metals, Dissolved Metals (filtered), Hex. Chrome, Perchlorate, Chlorate, Explosives, PCBs, PCBs (filtered), Pesticides, Pesticides (filtered), pH, Redox, TOC, Grain Size. Additional analyses should be approved by the EPA RPM for the Dwyer NPL Site.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	<table style="width: 100%;"> <tr> <td style="width: 60%;">Robert Wallace</td> <td style="width: 40%;">03-23-2015</td> </tr> <tr> <td>Work Assignment Manager</td> <td>Date</td> </tr> <tr> <td>Mikal Shabazz</td> <td>03-23-2015</td> </tr> <tr> <td>Project Officer</td> <td>Date</td> </tr> </table>	Robert Wallace	03-23-2015	Work Assignment Manager	Date	Mikal Shabazz	03-23-2015	Project Officer	Date
Robert Wallace	03-23-2015								
Work Assignment Manager	Date								
Mikal Shabazz	03-23-2015								
Project Officer	Date								


☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 03-26-15
 Signature of Contracting Officer Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 5											
2. AMENDMENT/MODIFICATION NO. 0307		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule		5. PROJECT NO. (If applicable)										
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		7. ADMINISTERED BY (If other than Item 6)		CODE										
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309				(x) 9A. AMENDMENT OF SOLICITATION NO.												
				9B. DATED (SEE ITEM 11)												
				x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05												
				10B. DATED (SEE ITEM 13) 06/28/2007												
CODE 193942604		FACILITY CODE														
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS																
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.																
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Increase:		\$2,900,000.00										
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">CHECK ONE</td> <td>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.</td> </tr> <tr> <td></td> <td>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).</td> </tr> <tr> <td></td> <td>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</td> </tr> <tr> <td></td> <td>D. OTHER (Specify type of modification and authority)</td> </tr> <tr> <td style="text-align: center;">X</td> <td>B.2 Work Assignment, B.6 Limitation of Funds Notice</td> </tr> </table>							CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:		D. OTHER (Specify type of modification and authority)	X	B.2 Work Assignment, B.6 Limitation of Funds Notice
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.															
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).															
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:															
	D. OTHER (Specify type of modification and authority)															
X	B.2 Work Assignment, B.6 Limitation of Funds Notice															
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ 0 _____ copies to the issuing office.																
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)																
DUNS Number: 193942604																
See Item 14 Continuation																

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 04-02-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0068	<p>Add Item 0068 as follows:</p> <p>Standard Chlorine of DE SSID: 03H6 Site ID: DED041212473 Activity: OU3 Remedial Action Dollar Amount: \$2,400,000 New or Ongoing: Ongoing Contract Name and Number: Remedial Action Contract (RAC), EP-S3-07-05 HGL Task Order for the Contract: 060RARA03H6 Brief description of the activity being funded: Construction of multi-layer geosynthetic liner and soil cap with soil gas collection and treatment system to address contaminated soil in the former plant area (OU3). BOC: Brad White 215-814-3217 Obligated Amount: \$2,400,000.00 Requisition No: PR-R3-15-00208</p> <p>Accounting Info: 15-T-3AS0RH6-303DD2-2505-C001-153ASE1009-001 BFY: 15 Fund: T Budget Org: 3AS0RH6 Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03H6RA03 Cost: C001 DCN - Line ID: 153ASE1009-001 Funding Flag: Partial Funded: \$2,400,000.00</p>				2,400,000.00
0069	<p>Add Item 0069 as follows:</p> <p>HydroGeoLogic(HGL)Bulk funds Bulk fund the contract(EP-S3-07-05)for Site-specific work Amount- \$500,000 POC: Claudette Reed and Mikal Shabazz Obligated Amount: \$500,000.00 Requisition No: PR-R3-15-00204</p> <p>Accounting Info: 15-T-3AS0P-303DD2-2505-C076-153ASB1012-001 BFY: 15 Fund: T Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00 Cost: C076 DCN - Line ID: 153ASB1012-001 Funding Flag: Partial Funded: \$500,000.00</p>				500,000.00

Modification 307**Item 14 Continuation**

1. The purpose of this modification is to obligate funding, issue Revision 5 to Work Assignment 060RARA03H6 and Revision 3 to Work Assignment 061TATAA3WY.

2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 305	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$ Exemption (b) (4) -		
Fixed Fee	\$		
Total	\$48,372,373.40	\$2,900,000.00	\$51,272,373.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Standard Chlorine of DE – OU3 Contractor: HGL WA No.: 060RARA03H6
 Activity: Remedial Action EPA Contract No. EP-S3-07-05 Revision No.: 5 (Five)
 Date: 03/30/2015 Contractor Control No. _____ Modification No.: 307
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input checked="" type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
---	--	---	---	---

3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input checked="" type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total <u>15,000,000</u>	<u>10,121</u>	<u>14,576,110</u>	<u>10,121</u>	<u>14,576,110</u>
This Action <u>2,400,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
New Total <u>17,400,000</u>	<u>10,121</u>	<u>14,576,110</u>	<u>10,121</u>	<u>14,576,110</u>
Funding Category: <u>Site-Specific</u>	* Includes fees		* Includes fees	
Activity Code: <u>RARA</u> S/SID: <u>03H6</u>				

4. WA COMPLETION DATE Current: 06-30-2017 Revised: _____

5. EPA COMMENTS:

This amendment adds funding and the contractor is requested to submit a revised letter workplan and cost estimate to address increased costs and scope concerns, including a reduced level of effort for the first year operation and maintenance due to the increased timeframe for construction – Please reference Subcontract Consent letter, dated 02/24/15.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Brad White</u> _____ 03-30-2015 Work Assignment Manager Date Phone Number <u>215-814-3217</u> /s/ <u>Mikal Shabazz</u> _____ 03-30-2015 Project Officer Date Phone Number <u>215-814-3281</u>
---	--

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Jiffany K. Sillep
 Signature of Contracting Officer,

04-02-15
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Baghurst Drive Contractor: HGL WA No.: 061TATAA3WY
 Activity: Remedial Action EPA Contract No. EP-S3-07-05 Revision No.: Three (3)
 Date: 04/01/2015 Contractor Control No. _____ Modification No.: 307
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Unilateral WP Approval <input type="checkbox"/> Unilateral Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
---	--	---	---	---

3. BUDGET INFORMATION

Completion WA <input checked="" type="checkbox"/> Term WA	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total <u>0</u>	<u>874</u>	<u>85,400</u>	<u>874</u>	<u>85,400</u>
This Action <u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
New Total <u>0</u>	<u>874</u>	<u>85,400</u>	<u>874</u>	<u>85,400</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>TATA</u> S/SID: <u>A3WY</u>				

4. WA COMPLETION DATE Current: 03-31-2015 Revised: 04-30-2015

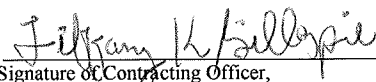
5. EPA COMMENTS:

This work assignment amendment extends the period of performance to enable the contractor to address some minor technical issues regarding the EQuIS database which requires minor additional interaction with EPA IT/database personnel and HGL

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Charlie Root</u> <u>04-01-2015</u> Work Assignment Manager Phone Number <u>215-814-3193</u> /s/ <u>Mikal Shabazz</u> <u>04-01-2015</u> Project Officer Phone Number <u>215-814-3281</u>
---	--

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

 04-02-15
 Signature of Contracting Officer, _____ Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 0308		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement
	D. OTHER (Specify type of modification and authority)

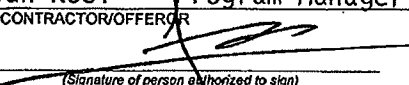
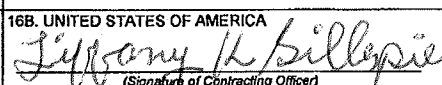
E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

See Item 14 Continuation

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Jan Kool Program Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	
15C. DATE SIGNED 4/8/2015		16C. DATE SIGNED 04-09-15	

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Modification 308

Item 14 Continuation

1. The purpose of this modification is to add one (1) unexercised \$5,325,000 subcontracting pool increment to the Option Period.

2. In accordance with Section H, paragraph H.25, "Option for Increased Quantity – Subcontracting Pool, one (1) unexercised subpool option @ \$5,325,000 is hereby added to the Option Period.

As a result thereof, Section B, Paragraph B.4, Estimated Cost and Fixed Fee (EP 52.216-190) is modified as follows:

	Estimated Cost Thru MOD 305	Increase by this Modification	Total Estimated Cost
(a) Term Form Segment*			
Estimated Cost	\$ Exemption (b) (4)		
Fixed Fee			
Total	\$		
(b) Subcontracting Pool			
Estimated Cost	\$ Exemption (b) (4)		
Fixed Fee			
Total	\$		
(c) Total Contract (a) + (b)			
Estimated Cost	\$ Exemption (b) (4)		
Fixed Fee			
Total	\$60,056,436.00	\$5,324,940.00	\$65,381,376.00

***Administrative correction to the Total Estimated Cost for (a) Term Form Segment.**

Paragraph H.25 (a) (2) is changed to read: Option Period 1. The subcontract pool will be structured with Exemption (b) (4) option increments and Exemption (b) (4) increment for the option period. The government may issue a total of 5 orders to increase the subpool ceiling during the option period of the contract. The total Subcontracting Pool dollars provided during the Option Period including all options shall not exceed \$ Exemption (b) (4).

3. The net change of the total estimated cost of this contract is \$0.00 – An identical subpool option in the Base Period, for Exemption (b) (4) was not exercised.

4. In consideration of the terms agreed herein as complete and equitable for the changes identified in this modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or

circumstances giving rise to the changes identified in this modification.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 0309		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2, Work Assignments


E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 12 to Work Assignment 030ROBE03EQ and Revision 15 to Work Assignment 044RICOA3Z4.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 09-23-15

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Central Chemical Contractor: HGL WA No.: 03OROBEO3EQ
 Activity: RD Oversight EPA Contract No. EP-S3-07-05 Revision No.: Twelve (12)
 Date: 04-14-2015 Contractor Control No. _____ Modification No.: 309
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other _____
--	---	--	--	---

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>392,451</u>	<u>2770</u> <u>392,451</u>	<u>2770</u> <u>392,451</u>
This Action <u>0</u>	<u>229</u> <u>0</u>	<u>229</u> <u>0</u>
New Total <u>392,451</u>	<u>2999</u> <u>392,451</u>	<u>2999</u> <u>392,451</u>
	* Includes fees	* Includes fees
Funding Category: <u>Bulk Site Specific</u>		
Activity Code: <u>ROBE</u> S/SID: <u>O3EQ</u>		

4. WA COMPLETION DATE Current: 06-30-2015 Revised: _____

5. EPA COMMENTS:

This work assignment amendment adds LOE hours to finish the following work that remains uncompleted at present:

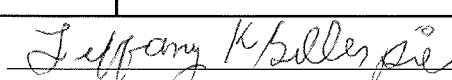
1) Task 08 Review of PRP submittals; 2) Task 10 Technical Meeting Support, and; 3) Task 11 WA Close Out

For the WA, it is estimate that approximately 50% of the Task 08 and Task 09 work remains to be completed, and 100% of the Task 11 work remains to be completed.

6. APPROVALS

Contractor Signatures: _____ Site Manager/Firm Date _____ Program Manager/Firm Date	EPA Signatures: <u>Mitch Cron</u> <u>04-14-2015</u> Work Assignment Manager Date <u>Mikal Shabazz</u> <u>04-14-2015</u> Environmental Engineer Date
---	---

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer

04-23-15
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Peck Iron and Metal

Contractor: HGL.

WA No.: 044RICOA3Z4

Activity: RIFS

EPA Contract No. EP-S3-0705

Revision No.: 15 (Fifteen)

Date: 04-22-2015

Contractor Control No. _____

Modification No.: 309

(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

___ New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	___ WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	___ Partial WP Approval ___ WP Disapproval ___ Final WP Approval <u>X</u> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	___ Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <u>X</u> Set or revise expenditure limit (EL)	___ Incremental Funding . Fund approved WP ___ WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice ___ Other _____ _____ _____
---	--	--	--	--

3. BUDGET INFORMATION

___ Completion WA ___ Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total _____	<u>11,173</u>	<u>2,108,753</u>	<u>7,090</u>	<u>1,274,000</u>
This Action _____	<u>0</u>	<u>25,338</u>	<u>0</u>	<u>196,000</u>
New Total _____	<u>11,173</u>	<u>2,134,091</u>	<u>7,090</u>	<u>1,470,000</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RICO</u> S/SID: <u>A3Z4</u>				

4. WA COMPLETION DATE

Current: 12-31-2016

Revised: _____

5. EPA COMMENTS:

This amendment adds \$25,338 for Tier IV lab procurement field events 4 & 5 and increases the expenditure funding limit to allow the contractor to continue with previously approved tasks.

6. APPROVALS

Contractor Signatures:		EPA Signatures:	
Site Manager/Firm	Date	/s/ <u>Debra Rossi</u>	<u>04-22-2015</u>
		Work Assignment Manager	Date
			Phone Number <u>Ext. 4-3228</u>
Program Manager/Firm	Date	/s/ <u>Mikal Shabazz</u>	<u>04-22-2015</u>
		Environmental Engineer	Date
			Phone Number <u>Ext. 4-3281</u>

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Signature of Contracting Officer.

Date _____

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1

2

2. AMENDMENT/MODIFICATION NO.

0310

3. EFFECTIVE DATE

See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

R3

7. ADMINISTERED BY (If other than Item 6)

CODE

REGION 3

US ENVIRONMENTAL PROTECTION AGENCY

1650 ARCH STREET

PHILADELPHIA PA 19103-2029

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

HYDROGEOLOGIC INC

11107 SUNSET HILLS ROAD SUITE 400

RESTON VA 20190-5309

(x)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x

10A. MODIFICATION OF CONTRACT/ORDER NO.
EP-S3-07-05

10B. DATED (SEE ITEM 13)

CODE 193942604

FACILITY CODE

06/28/2007

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

X B.2, Work Assignments

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 17 to Work Assignment 052RIC003DR.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Tiffany Gillespie

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

(Signature of Contracting Officer)

NSN 7540-01-152-8070
Previous edition unusableSTANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Chem-Fab OU 1

Contractor: HGL

WA No.: 052RICO03DR

Activity: RIFS

EPA Contract No. EP-S3-07-05

Revision No.: 17 (Seventeen)

Date: 05/07/2015

Contractor Control No. _____

Modification No.: 310
(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other Extend Period of Performance
---	---	--	--	--

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$) Previous Total _____ This Action _____ New Total _____ Funding Category: <u>Bulk Funding</u> Activity Code: <u>RIFS</u> S/SID: <u>03DR</u>	Approved Work Plan Budget <table style="width: 100%;"> <tr> <th style="width: 40%;">LOE Term WAs Only</th> <th style="width: 60%;">(\$)*</th> </tr> <tr> <td style="text-align: center;">4,286</td> <td style="text-align: center;">866,133</td> </tr> <tr> <td style="text-align: center;">1,395</td> <td style="text-align: center;">374,798</td> </tr> <tr> <td style="text-align: center;">5,681</td> <td style="text-align: center;">1,240,931</td> </tr> </table> * Includes fees	LOE Term WAs Only	(\$)*	4,286	866,133	1,395	374,798	5,681	1,240,931	Expenditure Limits Not to Be Exceeded <table style="width: 100%;"> <tr> <th style="width: 40%;">LOE Term WAs only</th> <th style="width: 60%;">(\$)*</th> </tr> <tr> <td style="text-align: center;">4,036</td> <td style="text-align: center;">841,304</td> </tr> <tr> <td style="text-align: center;">1,395</td> <td style="text-align: center;">374,798</td> </tr> <tr> <td style="text-align: center;">5,431</td> <td style="text-align: center;">1,216,102</td> </tr> </table> * Includes fees	LOE Term WAs only	(\$)*	4,036	841,304	1,395	374,798	5,431	1,216,102
LOE Term WAs Only	(\$)*																	
4,286	866,133																	
1,395	374,798																	
5,681	1,240,931																	
LOE Term WAs only	(\$)*																	
4,036	841,304																	
1,395	374,798																	
5,431	1,216,102																	

4. WA COMPLETION DATE

Current: 06-30-2015

Revised: 06-30-2016

5. EPA COMMENTS:

This amendment approves HGL's Work Plan and Cost Estimate, Revision 1, dated May 1, 2015 and extends the POP to 6/30/2016.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Huu Ngo</u> _____ 05-07-2015 Work Assignment Manager Phone Number <u>215-814-3187</u> /s/ <u>Mikal Shabazz</u> _____ 05-07-2015 Project Officer Phone Number <u>215-814-3281</u>
--	--

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

J. J. K. Billings
Signature of Contracting Officer,

05/07/15
Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 5		
2. AMENDMENT/MODIFICATION NO. 0311		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		7. ADMINISTERED BY (If other than Item 6) CODE			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309				(x)		9A. AMENDMENT OF SOLICITATION NO.	
						9B. DATED (SEE ITEM 11)	
				x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
						10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2, Work Assignments

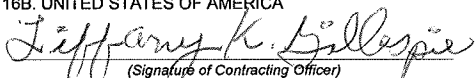
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 13 to Work Assignment 031TATA0378, Revision 4 to Work Assignment 057RIFS03Q9, Revision 6 to Work Assignment 060RARA03H6 and Revision 3 to Work Assignment 063TATA03W6.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 05-21-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Raymark Contractor: HGL WA No.: 031TATA0378
 Activity: Technical Assistance EPA Contract No. EPS30705 Revision No.: 13 (Thirteen)
 Date: 05-21-2015 Contractor Control No. _____ Modification No.: 311
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate Contracting Officer Representative (COR)	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend Period of Performance</u>
--	---	--	--	---

3. BUDGET INFORMATION

<u>Completion WA</u> <u>Term WA</u>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE	(\$)*	LOE	(\$)*
	Term WAS Only		Term WAS only	
Previous Total <u>0</u>	<u>1545</u>	<u>384,157</u>	<u>1545</u>	<u>384,157</u>
This Action <u>0</u>	<u>150</u>	<u>0</u>	<u>150</u>	<u>0</u>
New Total <u>0</u>	<u>1695</u>	<u>384,157</u>	<u>1695</u>	<u>384,157</u>
	* Includes fees		* Includes fees	
Funding Category: <u>Bulk Funding</u>				
Activity Code: <u>TATA</u> <u>SID:0378</u>				

4. WA COMPLETION DATE Current: 06-30-2015 Revised: 9-30-2015

5. EPA COMMENTS:

This WA amendment extends the Period of Performance and adds LOE hours.

6. APPROVALS

Contractor Signatures:	EPA Signatures
Site Manager/Firm _____ Date _____	Jose Redmond _____ 05-21-2015 Work Assignment Manager Date
Program Manager/Firm _____ Date _____	Mikal Shabazz _____ 05-21-2015 Environmental Engineer Date
<input type="checkbox"/> Approved As Submitted <input checked="" type="checkbox"/> Approved With Changes <input type="checkbox"/> Not Approved	<i>Jubany K. Bellis</i> _____ 05-21-15 Signature of Contracting Officer Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Arrowhead Plating Superfund Site Contractor: HGL HydroGeologic Inc. WA No.: 057RIFS03Q9
 Activity: RIFS EPA Contract No. EP-S3-0705 Revision No.: Four (4)
 Date: 05-21-2015 Contractor Control No. _____ Modification No.: 311
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
--	---	---	--	--

3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total _____	1746	416,997	1,300	210,000
This Action _____	0	0	0	100,000
New Total _____	1746	416,997	1,300	310,000
Funding Category: <u>Bulk</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>03Q9</u>				

4. WA COMPLETION DATE Current: 12-31-2015 Revised: _____

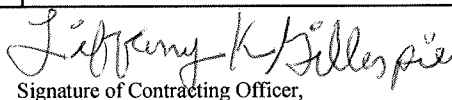
5. EPA COMMENTS:

This WA amendment increases the Expenditure dollar amounts to complete the feasibility study.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Ronnie M. Davis</u> , Ext. 4-3230 <u>05-21-2015</u> Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> , Est. 4-3281 <u>05-21-2015</u> Project Officer Date
---	---

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 05-21-15
 Signature of Contracting Officer, Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Standard Chlorine of DE – OU3

Contractor: HGL

WA No.: 060RARA03H6

Activity: Remedial Action

EPA Contract No. EP-S3-07-05

Revision No.: 6 (Six)

Date: 05/20/2015

Contractor Control No. _____

Modification No.: 311
(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

☐ New WA
(need WP for the WA)
· Attach SOW including
schedule
· Designate WAM

☒ WA Amendment
(need revised WP and/or
cost estimate)
· Change in LOE or scope
by task
· Add additional tasks or
funds for increased
activity

☐ Partial WP Approval
☐ WP Disapproval
☐ Final WP Approval
☒ Amendment to Final
WP Approval
· Approve change in LOE,
scope, or budget
· Approve additional tasks

☐ Technical Direction
Memorandum
· Details on scope, budget, or
schedule
· Minor shift within SOW
(no change in \$/LOE)
· Change WAM
☐ Set or revise expenditure
limit (EL)

☐ Incremental Funding
· Fund approved WP
☐ WA Closeout Notification
· Notify contractor to initiate WA
closeout task
· Revise EL after final invoice
· Other _____

3. BUDGET INFORMATION

☐ Completion WA ☒ Term WA

Total Funding Received (\$)

Previous Total 17,400,000

This Action 0

New Total 17,400,000

Funding Category: Site-Specific

Activity Code: RARA S/SID: 03H6

Approved Work Plan Budget

LOE (\$)*
Term WAs Only

10,121 14,576,110

3,725 2,814,285

13,846 17,390,395

* Includes fees

Expenditure Limits Not to Be Exceeded

LOE (\$)*
Term WAs only

10,121 14,576,110

3,725 2,814,285

13,846 17,390,395

* Includes fees

4. WA COMPLETION DATE

Current: 06-30-2017

Revised: _____

5. EPA COMMENTS:

This WA amendment approves HGL's Revised Work Plan and Cost Estimate, dated April 14, 2015.

6. APPROVALS

Contractor Signatures:

Site Manager/Firm

Date

Program Manager/Firm

Date

EPA Signatures:

/s/ Brad White

05-20-2015

Work Assignment Manager

Date

Phone Number

215-814-3217

/s/ Mikal Shabazz

05-20-2015

Project Officer

Date

Phone Number

215-814-3281

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Tiffany H. Gillespie
Signature of Contracting Officer,

05-21-15
Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn Area 5 - OU1

Contractor: HGL

WA No.: 063TATA03W6

Activity: Technical Assistance

EPA Contract No. EP-S3-07-05

Revision No.: Three (3)

Date: 05/19/2015

Contractor Control No. _____

Modification No.: 311
(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other (Extend POP)
---	--	--	--	---

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>0</u>	<u>929</u> <u>149,113</u>	<u>929</u> <u>149,113</u>
This Action <u>0</u>	<u>300</u> <u>0</u>	<u>300</u> <u>0</u>
New Total <u>0</u>	<u>1229</u> <u>149,113</u>	<u>1229</u> <u>149,113</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees	* Includes fees
Activity Code: <u>TATA</u> S/SID: <u>03W6</u>		

4. WA COMPLETION DATE Current: 09-30-2015 Revised: 12-30-2015

5. EPA COMMENTS:


This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This amendment extends the POP and provides additional time for completing Task 2, Technical Assistance that requires analyzing 17 Sites listed for similarities/dissimilarities to the North Penn 5, OU1 Site.

6. APPROVALS

Contractor Signatures:	EPA Signatures:
Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	/s/ <u>Sharon Fang</u> <u>05-19-2015</u> Work Assignment Manager Date Phone Number <u>215-814-3018</u> /s/ <u>Mikal Shabazz</u> <u>05-19-2015</u> Project Officer Date Phone Number <u>215-814-3281</u>

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

 05-21-15
 Signature of Contracting Officer, _____ Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 0312		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$535,000.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2 Work Assignments, B.6 Limitation of Funds Notice

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.


14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

See Item 14 Continuation

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 05-28-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
EP-S3-07-05/0312

PAGE 2 OF 6

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0070	<p>Add Item 0070 as follows:</p> <p>Standard Chlorine of Delaware Superfund Site ID: 03H6 Site ID: PAD981033459 Activity: OU1 Interim Groundwater Remedial Action Dollar Amount: \$500,000 New or Ongoing: Ongoing Contract Name and Number: Remedial Action Contract (RAC), EP-S3-07-05 Task Order for the Contract: 004RARA03H6 Brief description of the activity being funded: Continuing implementation of the interim groundwater remedy. POC: Brad White 215-814-3217 Obligated Amount: \$500,000.00 Requisition No: PR-R3-15-00254</p> <p>Accounting Info: 15-T-3AS0RH6-303DD2-2505-03H6RA01-C001-153ASE1015-001 BFY: 15 Fund: T Budget Org: 3AS0RH6 Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03H6RA01 Cost: C001 DCN - Line ID: 153ASE1015-001 Funding Flag: Partial Funded: \$500,000.00</p> <p>Add Item 0071 as follows:</p>				500,000.00
0071	<p>Atlantic Wood Site ID: 03L2 Site ID: VAD990710410 Activity: Technical Expertise Dollar Amount: \$35,000 Contract Name and Number: Hydrogeologic, Inc., EP-S3-07-05 Task Order for the Contract: To continue ongoing site activities Description: To obtain expertise related to contamination fate and transport and contaminant generation from various processes and products at the Atlantic Wood Industries Superfund (AWI) site.</p> <p>POC: Harry R. Steinmetz, 215-814-3161 Obligated Amount: \$35,000.00 Requisition No: PR-R3-15-00267</p> <p>Accounting Info: 15-T-03S-501EC7-2505-C001-1503SH1002-001 BFY: 15 Fund: T Budget Org: 03S Program (PRC): 501EC7 Budget (BOC): 2505 Job #: 03L2NG01 Cost: C001 DCN Continued ...</p>				35,000.00

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
EP-S3-07-05/0312

PAGE 3 OF 6

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	- Line ID: 1503SH1002-001 Funding Flag: Partial Funded: \$35,000.00				

Modification 312

Item 14 Continuation

1. The purpose of this modification is to issue Revision 33 to Work Assignment 004RARA03H6 and Revision 15 to Work Assignment 050TATA03L2.

2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 307	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$Exemption (b) (4)		
Fixed Fee	\$Exemption (b) (4)		
Total	\$51,272,373.40	\$535,000.00	\$51,807,373.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Standard Chlorine of DE – OU1

Contractor: HGL

WA No.: 004RARA03H6

Activity: Remedial Action

EPA Contract No. EP-S3-07-05

Revision No.: 33 (Thirty-three)

Date: 05/21/2015

Contractor Control No. _____

Modification No.: 312
(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

☐ New WA
(need WP for the WA)
· Attach SOW including
schedule
· Designate WAM

☐ WA Amendment
(need revised WP and/or
cost estimate)
· Change in LOE or scope
by task
· Add additional tasks or
funds for increased
activity

☐ Partial WP Approval
☐ WP Disapproval
☐ Final WP Approval
☒ Unilateral Amendment
to Final WP Approval
· Approve change in LOE,
scope, or budget
· Approve additional tasks

☐ Technical Direction
Memorandum
· Details on scope, budget, or
schedule
· Minor shift within SOW
(no change in \$/LOE)
· Change WAM
☒ Set or revise expenditure
limit (EL)

☐ Incremental Funding
· Fund approved WP
☐ WA Closeout Notification
· Notify contractor to initiate WA
closeout task
· Revise EL after final invoice
☐ Other _____

3. BUDGET INFORMATION

☐ Completion WA ☒ Term WA

Total Funding Received (\$)

Approved Work Plan Budget

LOE
Term WAs Only

(\$)*

Expenditure Limits Not to Be Exceeded

LOE
Term WAs only

(\$)*

Previous Total 5,376,564

27,090

5,447,980

27,040

5,376,564

This Action 500,000

4,000

500,000

4,000

500,000

New Total 5,876,564

31,090

5,947,980

31,040

5,876,564

Funding Category: Site-Specific

* Includes fees

* Includes fees

Activity Code: RARA S/SID: 03H6

4. WA COMPLETION DATE

Current: 07-31-2015

Revised: 09-30-2016

5. EPA COMMENTS:

This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the Funding and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This amendment extends the POP and adds an additional \$500,000 and 4000 LOE to the approved work plan budget to continue activities under this work assignment. Specifically, this funding will supplement our current budget to pay for a repair to the slurry wall that surrounds the site – conducting the repair is already part of the current scope of the work assignment.

6. APPROVALS

Contractor Signatures:

Site Manager/Firm

Date

Program Manager/Firm

Date

EPA Signatures:

/s/ Brad White

05-21-2015

Work Assignment Manager

Date

Phone Number

215-814-3217

/s/ Mikal Shabazz

05-21-2015

Project Officer

Date

Phone Number

215-814-3281

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Lupamy K. B. Olesie 05-28-15
Signature of Contracting Officer, Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Atlantic Wood Contractor: HGL WA No.: 050TATA03L2
 Activity: Technical Assistance EPA Contract No. EP-S3-0705 Revision No.: 15 (Fifteen)
 Date: 05-21-2015 Contractor Control No. _____ Modification No.: 312
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of</u> <u>Performance</u>
--	---	--	--	--

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>91,000</u>	<u>1,775</u> <u>229,319</u>	<u>1,775</u> <u>229,319</u>
This Action <u>35,000</u>	<u>0</u> <u>35,000</u>	<u>0</u> <u>35,000</u>
New Total <u>126,000</u>	<u>1,775</u> <u>264,319</u>	<u>1,775</u> <u>264,319</u>
Funding Category: <u>Site Specific & Bulk Funding</u>	* Includes fees	* Includes fees
Activity Code: <u>TA</u> S/SID: <u>03L2</u>		

4. WA COMPLETION DATE Current: 06-30-2015 Revised: 12-31-2015

5. EPA COMMENTS:

This amendment adds \$35,000 to continue on-going activities and extends the period of performance to 12/31/2015.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Harry Steinmetz</u> <u>05-21-2015</u> Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> <u>05-21-2015</u> Environmental Engineer Date
---	--

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 05-28-15
 Signature of Contracting Officer Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 4	
2. AMENDMENT/MODIFICATION NO. 0313		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-R3-15-00298	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		7. ADMINISTERED BY (If other than Item 6) CODE		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 193942604		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$16,899.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2 Work Assignments, B.6 Limitation of Funds Notice

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

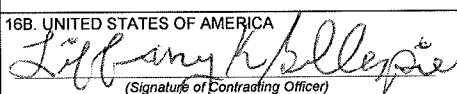
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

See Item 14 Continuation

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 06-11-15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-S3-07-05/0313	PAGE	OF
		2	4

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0072	<p>Payment:</p> <p>RTP FINANCE CENTER US ENVIRONMENTAL PROTECTION AGENCY RTP-FINANCE CENTER AA216-01 109 TW ALEXANDER DRIVE WWW2EPAGOVFINANCIALCONTRACTS DURHAM NC 27711</p> <p>Site or Non-Site (if Site I need the ID) - 03H7 Activity (if Site I need the OU, if applicable) Technical Assistance OU00 Dollar Amount - \$16,899 New or Ongoing - Ongoing Contract EP-S3-07-05 WA - 033TATA03H7 Ongoing development of Conceptual Site Model as approved in Work Assignment Work Plan. POC: Barber, Joshua 215-814-3393 Obligated Amount: \$16,899.00</p> <p>Accounting Info: 15-TR2B-03S0XH7-303DD2-2505-03H7TA00-C001-1503SK10 31-001 BFY: 15 Fund: TR2B Budget Org: 03S0XH7 Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03H7TA00 Cost: C001 DCN - Line ID: 1503SK1031-001 Funding Flag: Partial Funded: \$16,899.00</p>				16,899.00

Modification 313

Item 14 Continuation

1. The purpose of this modification is to issue Revision 11 to Work Assignment 033TATA03H7.
2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 312	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$Exemption (b) (4)		
Fixed Fee			
Total	\$51,807,373.40	\$16,899.00	\$51,824,272.40

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 0314		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
				7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(X)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2, Work Assignments


E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 13 to Work Assignment 030ROBE03EQ,
Revision 16 to Work Assignment 044RICOA3Z4 and Revision 5 to Work Assignment 054RIFS032S.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 06/25/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Central Chemical Contractor: HGL WA No.: 030ROBE03EQ
 Activity: RD Oversight EPA Contract No. EPS30705 Revision No.: Thirteen (13)
 Date: 06-25-2015 Contractor Control No. _____ Modification No.: 314
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend POP</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$) * Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$) * Term WAs only
Previous Total <u>392,451</u>	<u>2999</u> <u>392,451</u>	<u>2999</u> <u>392,451</u>
This Action <u>0</u>	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>
New Total <u>392,451</u>	<u>2999</u> <u>392,451</u>	<u>2999</u> <u>392,451</u>
Funding Category: <u>Bulk Site Specific</u>	* Includes fees	* Includes fees
Activity Code: <u>ROBE</u> S/SID: <u>03EQ</u>		

4. WA COMPLETION DATE Current: 06-30-2015 Revised: 10-31-2016

5. EPA COMMENTS:

This work assignment amendment extends the Period of Performance (POP)

6. APPROVALS

Contractor Signatures: _____ Site Manager/Firm Date _____ Program Manager/Firm Date	EPA Signatures: <u>Mitch Cron</u> <u>06-25-2015</u> Work Assignment Manager Date <u>Mikal Shabazz</u> <u>06-25-2015</u> Environmental Engineer Date
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☐ Approved As Submitted
 ☒ Approved With Changes
 ☐ Not Approved
 Signature of Contracting Officer: Liffany K. Billpie Date: 06/25/15

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Peck Iron and Metal Contractor: HGL WA No.: 044RICOA3Z4
 Activity: RIFS EPA Contract No. EP-S3-0705 Revision No.: 16 (Sixteen)
 Date: 06-24-2015 Contractor Control No. _____ Modification No.: 314
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE	(\$)*	LOE	(\$)*
	Term WAs Only		Term WAs only	
Previous Total _____	<u>11,173</u>	<u>2,134,091</u>	<u>7,090</u>	<u>1,470,000</u>
This Action _____	<u>0</u>	<u>51,566</u>	<u>0</u>	<u>0</u>
New Total _____	<u>11,173</u>	<u>2,185,657</u>	<u>7,090</u>	<u>1,470,000</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RICO</u> S/SID: <u>A3Z4</u>				

4. WA COMPLETION DATE Current: 12-31-2016 Revised: _____

5. EPA COMMENTS:

This amendment adds \$51,566 to the approved work plan budget for Tier IV lab procurement for field events 6, 7 and 8.

6. APPROVALS

Contractor Signatures: <div style="display: flex; justify-content: space-between;"> Site Manager/Firm Date </div> <div style="display: flex; justify-content: space-between;"> Program Manager/Firm Date </div>	EPA Signatures: <div style="display: flex; justify-content: space-between;"> /s/ <u>Debra Rossi</u> <u>06-24-2015</u> </div> <div style="display: flex; justify-content: space-between;"> Work Assignment Manager Date </div> <div style="display: flex; justify-content: space-between;"> Phone Number <u>Ext. 4-3228</u> </div> <div style="display: flex; justify-content: space-between;"> /s/ <u>Mikal Shabazz</u> <u>06-24-2015</u> </div> <div style="display: flex; justify-content: space-between;"> Environmental Engineer Date </div> <div style="display: flex; justify-content: space-between;"> Phone Number <u>Ext. 4-3281</u> </div>
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☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer,

06/25/15
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: AIW Frank - OUI Contractor: HGL WA No.: 054 RIFS 032S
 Activity: RIFS - Vapor Intrusion Sampling EPA Contract No. EP-S3-07-05 Revision No.: Five (5)
 Date: 06-18-2015 Contractor Control No. _____ Modification No.: 314
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE Term WAs Only (\$) *	Expenditure Limits Not to Be Exceeded LOE Term WAs only (\$) *
Previous Total	<u>1112</u> <u>\$ 136,597</u>	<u>1112</u> <u>\$ 136,597</u>
This Action	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>
New Total	<u>1112</u> <u>\$ 136,597</u>	<u>1112</u> <u>\$ 136,597</u>
Funding Category: <u>Bulk</u>	* Includes fees	* Includes fees
Activity Code: <u>CO</u> S/SID: <u>032S</u>		

4. WA COMPLETION DATE Current: 06/30/2015 Revised: 06/30/2016

5. EPA COMMENTS:

This work assignment amendment extends the period of performance and directs the contractor to collect additional residential VI samples (Task 3 of the approved work plan) per the attached description of work.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: Charlie Root Work Assignment Manager Phone Number <u>(215) 814-3193</u> Date 06-18-2015 Mikal Shabazz Environmental Engineer Date 06-18-2015
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☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer,

Date 06/25/15

AIW Frank/Mid-County Mustang Site – Follow-up Vapor Intrusion Sampling (Task 3):

The task includes vapor intrusion sampling of both sides of the on-site duplex (Mid-County Mustang portion of property). A minimum of one sub-slab and indoor air sample will be collected from each side of the duplex and an outdoor ambient air sample will be collected at the time of indoor air sampling. At a minimum, one field duplicate will be collected. VI sampling will be conducted in accordance with EPA OSWER Publication 9200.2-154 - OSWER TECHNICAL GUIDE FOR ASSESSING AND MITIGATING THE VAPOR INTRUSION PATHWAY FROM SUBSURFACE VAPOR SOURCES TO INDOOR AIR, June 2015.

Samples will be analyzed via method TO-15 for VOCs. Contractor should process an appropriate analytical request through the EPA Ft. Meade lab for analyses, however, if EPA Ft. Meade cannot process request contractor should be prepared to arrange for analyses through a certified laboratory. However, contractor will not proceed through a certified laboratory without EPA WAM approval. Contractor will coordinate through EPA initially with property owner/renters for access. Once access is granted, contractor to coordinate with residence for sampling day(s) scheduling. It is anticipated that the sampling will be a two day sampling event with a contingency for a third day. Contractor should inventory properties for household items with the potential to produce VOCs as well as keep a photo log of the household inventory and sampling locations (before and after). Contractor should make arrangements to securely store any items which need to be temporarily removed (24hrs prior to sampling) from the residence. Contractor will prepare a trip report/letter report documenting the sampling event and provide with sample analyses results.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 0315		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 193942604		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2, Work Assignments

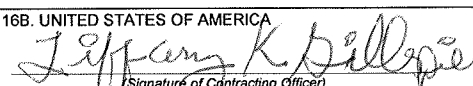
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 20 to Work Assignment 013TATA03P9, Revision 7 to Work Assignment 028ROBE03BD, Revision 8 to Work Assignment 046RIFS03X1, Revision 12 to Work Assignment 047RSNK03B2 and Revision 3 to Work Assignment 053RORD03W6.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 07/01/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Hellertown Manufacturing Contractor: HGL WA No.: 013TATA03P9
 Activity: Technical Assistance EPA Contract No. EPS30705 Revision No.: Twenty(20)
 Date: 7-01-2015 Contractor Control No. _____ Modification No.: 315
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate Contracting Officer Representative (COR)	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
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3. BUDGET INFORMATION

Completion WA	Term WA	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)		LOE	(\$)*	LOE	(\$)*
Previous Total		Term WAS Only		Term WAS only	
This Action		<u>900</u>	<u>88,897</u>	<u>900</u>	<u>99,897</u>
New Total		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
		<u>900</u>	<u>88,897</u>	<u>900</u>	<u>88,897</u>
Funding Category: <u>Bulk Funding</u>		* Includes fees		* Includes fees	
Activity Code: <u>TATAS/SID:03P9</u>					

4. WA COMPLETION DATE Current: 6-30-2015 Revised: 12-31-2015

5. EPA COMMENTS:

WA completion date is extended to 12-31-2015

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: <div style="text-align: right;"> <u>07-01-2015</u> Date Timothy M. Gallagher Work Assignment Manager </div> <div style="text-align: right;"> <u>07-01-2015</u> Date Mikal Shabazz Environmental Engineer </div>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div> <u>Approved As</u> <input checked="" type="checkbox"/> <u>Approved With</u> <input type="checkbox"/> <u>Not</u> Submitted Changes Approved </div> <div style="text-align: right;"> Signature of Contracting Officer </div> <div style="text-align: right;"> <u>07/01/15</u> Date </div> </div>	

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn 7 Contractor: HGL WA No.: 046RIFS03X1
 Activity: Feasibility Study EPA Contract No. EP-S3-0705 Revision No.: Eight (8)
 Date: 07-01-2015 Contractor Control No. _____ Modification No.: 315
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) Attach SOW including schedule Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) Change in LOE or scope by task Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval Approve change in LOE, scope, or budget Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum Details on scope, budget, or schedule Minor shift within SOW (no change in \$/LOE) Change WAM Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification Notify contractor to initiate WA closeout task Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total	2178 349,451	2178 349,451
This Action	0 0	0 0
New Total	2178 349,451	2178 349,451
Funding Category: <u>Special Account</u>	* Includes fees	* Includes fees
Activity Code: <u>RI</u> S/SID: <u>03X1</u>		

4. WA COMPLETION DATE Current: 06-30-2015 Revised: 03-31-2016

5. EPA COMMENTS: POP is extended to 03-31-2016

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>David Turner</u> _____ 07-01-2015 Work Assignment Manager Date Phone Number <u>(215)814-3216</u> /s/ <u>Mikal Shabazz</u> _____ 07-01-2015 Environmental Engineer Date
<input type="checkbox"/> Approved As Submitted <input checked="" type="checkbox"/> Approved With Changes <input type="checkbox"/> Not Approved	
07/01/15 Signature of Contracting Officer, Date	

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Kane and Lombard Contractor: HGL WA No.: 047RSNK03B2
 Activity: FS Oversight EPA Contract No. EP-S3-0705 Revision No.: 12 (Twelve)
 Date: 07-01-2015 Contractor Control No. _____ Modification No.: 315
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE Term WAs Only (\$)	Expenditure Limits Not to Be Exceeded LOE Term WAs only (\$)
Previous Total <u>140,165</u>	<u>1072</u> <u>140,165</u>	<u>1,072</u> <u>140,165</u>
This Action <u>0</u>	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>
New Total <u>140,165</u>	<u>1,072</u> <u>140,165</u>	<u>1,072</u> <u>140,165</u>
Funding Category: <u>Site Specific</u>	* Includes fees	* Includes fees
Activity Code: <u>ROBE</u> S/SID: 03B2		

4. WA COMPLETION DATE Current: 06-30-2015 Revised: 12-31-2015

5. EPA COMMENTS:

WA completion date is extended to 12-31-2015.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Bhupi Khona</u> <u>07-01-2015</u> Work Assignment Manager Date Phone Number <u>()</u> /s/ <u>Mikal Shabazz</u> <u>07-01-2015</u> Environmental Engineer Date
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☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

Liffany K. Salas
 Signature of Contracting Officer,

07/01/15
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn Area 5 Contractor: HGL WA No.: 053 RORD 03W6
 Activity: New Work Assignment EPA Contract No. EP-S3-07-05 Revision No.: 3 (Three)
 Date: 07-01-2015 Contractor Control No. _____ Modification No.: 315
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period</u> <u>of Performance</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$) Previous Total <u>193,462</u> This Action <u>0</u> New Total <u>193,462</u> Funding Category: <u>Bulk</u> Activity Code: <u>RD Oversight</u> S/SID: _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Approved Work Plan Budget (\$)*</th> </tr> <tr> <th style="text-align: center;">LOE</th> <th style="text-align: center;">Term WAs Only</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>1527</u></td> <td style="text-align: center;"><u>193,462</u></td> </tr> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;"><u>1,527</u></td> <td style="text-align: center;"><u>193,462</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">* Includes fees</td> </tr> </tbody> </table>	Approved Work Plan Budget (\$)*		LOE	Term WAs Only	<u>1527</u>	<u>193,462</u>	<u>0</u>	<u>0</u>	<u>1,527</u>	<u>193,462</u>	* Includes fees		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Expenditure Limits Not to Be Exceeded L OE (\$)*</th> </tr> <tr> <th style="text-align: center;">L OE</th> <th style="text-align: center;">Term WAs only</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>1,527</u></td> <td style="text-align: center;"><u>193,462</u></td> </tr> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;"><u>1,527</u></td> <td style="text-align: center;"><u>193,462</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">* Includes fees</td> </tr> </tbody> </table>	Expenditure Limits Not to Be Exceeded L OE (\$)*		L OE	Term WAs only	<u>1,527</u>	<u>193,462</u>	<u>0</u>	<u>0</u>	<u>1,527</u>	<u>193,462</u>	* Includes fees	
Approved Work Plan Budget (\$)*																										
LOE	Term WAs Only																									
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<u>0</u>	<u>0</u>																									
<u>1,527</u>	<u>193,462</u>																									
* Includes fees																										

4. WA COMPLETION DATE Current: 06-30-2015 Revised: 12-31-2015

5. EPA COMMENTS:

Extend POP to 12/31/2015

6. APPROVALS

Contractor Signatures: <div style="display: flex; justify-content: space-between;"> <div>_____ Site Manager/Firm</div> <div>_____ Date</div> </div> <div style="display: flex; justify-content: space-between;"> <div>_____ Program Manager/Firm</div> <div>_____ Date</div> </div>	EPA Signatures: <div style="display: flex; justify-content: space-between;"> <div>_____ Sharon Fang Work Assignment Manager</div> <div>_____ 07-01-2015 Date</div> </div> <div style="display: flex; justify-content: space-between;"> <div>_____ Mikal Shabazz Project Officer</div> <div>_____ 07-01-2015 Date</div> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <input checked="" type="checkbox"/> Approved As Submitted <input type="checkbox"/> Approved With Changes <input type="checkbox"/> Not Approved </div> <div style="text-align: center;"> _____ Signature of Contracting Officer </div> <div style="text-align: center;"> _____ Date </div> </div>	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 0316		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2, Work Assignments

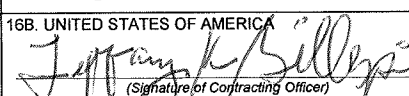
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 21 to Work Assignment 013TATA03P9 and Revision 5 to Work Assignment 057RIFS03Q9.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 07/16/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Hellertown Manufacturing Contractor: HGL WA No.: 013TATA03P9
 Activity: Technical Assistance EPA Contract No. EPS30705 Revision No.: Twenty-One (21)
 Date: 7-15-2015 Contractor Control No. _____ Modification No.: 316
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate Contracting Officer Representative (COR)	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other
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3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE	(\$)*	LOE	(\$)*
	Term WAs Only		Term WAs only	
Previous Total	900	88,897	900	88,897
This Action	60	0	60	0
New Total	960	88,897	960	88,897
	* Includes fees		* Includes fees	
Funding Category: <u>Bulk Funding</u>				
Activity Code: <u>TATAS/SID:03P9</u>				

4. WA COMPLETION DATE

Current: 12-31-2015 Revised: _____

5. EPA COMMENTS:

This WA adds 60 hours for the completion of the Geoprobe Technical Memorandum and the control/shipment of groundwater samples.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: <div style="text-align: right;"> <u>07-15-2015</u> Date </div> Timothy M. Gallagher Work Assignment Manager <div style="text-align: right;"> <u>07-15-2015</u> Date </div> Mikal Shabazz Environmental Engineer
<input type="checkbox"/> Approved As Submitted <input checked="" type="checkbox"/> Approved With Changes <input type="checkbox"/> Not Approved	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> Signature of Contracting Officer </div> <div> <u>07/16/15</u> Date </div> </div>	

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Arrowhead Plating Superfund Site Contractor: HGL WA No.: 057RIFS03Q9
 Activity: RIFS EPA Contract No. EP-S3-0705 Revision No.: Five (5)
 Date: 07-15-2015 Contractor Control No. _____ Modification No.: 316
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE Term WAs Only (\$)	Expenditure Limits Not to Be Exceeded LOE Term WAs only (\$)
Previous Total _____	1746 416,997	1300 310,000
This Action _____	_____ 0	150 0
New Total _____	1746 416,997	1,450 310,000
Funding Category: <u>Bulk</u>	* Includes fees	* Includes fees
Activity Code: <u>RIFS</u> S/SID: <u>03Q9</u>		

4. WA COMPLETION DATE Current: 12-31-2015 Revised: _____

5. EPA COMMENTS:

This WA adds 150 hours for HGL to complete the RI/FS.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Ronnie M. Davis, Ext. 4-3230</u> <u>07-15-2015</u> Work Assignment Manager Date /s/ <u>Mikal Shabazz, Est. 4-3281</u> <u>07-15-2015</u> Project Officer Date
---	---

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 07/16/15
 Signature of Contracting Officer, Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 4		
2. AMENDMENT/MODIFICATION NO. 0317		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309				(X) 9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05			
				10B. DATED (SEE ITEM 13) 06/28/2007			
CODE 193942604		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Decrease: -\$699,430.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.2 Work Assignments, B.6 Limitation of Funds Notice

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

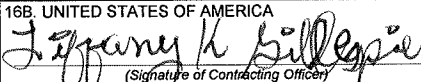
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

See Item 14 Continuation on page 3

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 07/23/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0062	<p>Change Item 0062 to read as follows (amount shown is the obligated amount):</p> <p>De-obligate bulk funds (699,430)</p> <p>Administrative correction to accounting data</p> <p>Funds will be re-obligated on the next Modification</p> <p>Accounting Info:</p> <p>14-T-3AS0P-303DD2-2505-03WQWQ00-C001-143ASB1031-00</p> <p>1 BFY: 14 Fund: T Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00</p> <p>Cost: C001 DCN - Line ID: 143ASB1031-001</p> <p>Funding Flag: Complete</p> <p>Funded: -\$699,430.00</p>				-699,430.00

Modification 317

Item 14 Continuation

1. The purpose of this modification is to de-obligate funds and to issue Revision 16 to Work Assignment 050TATA03L2.

2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 313	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	Exemption (b) (4)		
Fixed Fee			
Total	\$51,824,272.40	-\$699,430.00	\$51,124,842.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Atlantic Wood Contractor: HGL WA No.: 050TATA03L2
 Activity: Technical Assistance EPA Contract No. EP-S3-0705 Revision No.: 16 (Sixteen)
 Date: 07-20-2015 Contractor Control No. _____ Modification No.: 317
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) Attach SOW including schedule Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) Change in LOE or scope by task Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval Approve change in LOE, scope, or budget Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum Details on scope, budget, or schedule Minor shift within SOW (no change in \$/LOE) Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification Notify contractor to initiate WA closeout task Revise EL after final invoice Other <u>Extend the Period of</u> <u>Performance</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>126,000</u>	<u>1,775</u> <u>264,319</u>	<u>1,775</u> <u>264,319</u>
This Action <u>0</u>	<u>300</u> <u>0</u>	<u>300</u> <u>0</u>
New Total <u>126,000</u>	<u>2,075</u> <u>264,319</u>	<u>2,075</u> <u>264,319</u>
Funding Category: <u>Site Specific & Bulk Funding</u>	* Includes fees	* Includes fees
Activity Code: <u>TA</u> S/SID: <u>03L2</u>		

4. WA COMPLETION DATE Current: 12-31-2015 Revised: _____

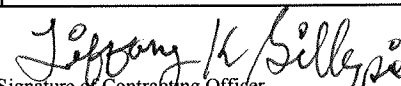
5. EPA COMMENTS:

This amendment adds 300 LOE hours to continue on-going activities.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Harry Steinmetz</u> <u>07-20-2015</u> Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> <u>07-20-2015</u> Environmental Engineer Date
---	--

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer

07/23/15
 Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 10	
2. AMENDMENT/MODIFICATION NO. 0318		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-R3-15-00406	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		7. ADMINISTERED BY (If other than Item 6) CODE		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$699,430.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	B.2 Work Assignments, B.6 Limitation of Funds Notice

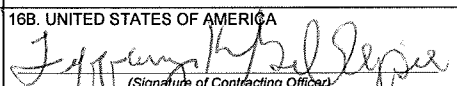
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604
See Item 14 Continuation

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 08/06/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-S3-07-05/0318	PAGE OF 2 10
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NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0073	<p>Add Item 0073 as follows:</p> <p>Bulk funds: \$699,430 Obligated Amount: \$699,430.00</p> <p>Accounting Info: 14-T-3AS0P-303DD2-2505-03WQWQ00-C086-153ASB1020-00 1 BFY: 14 Fund: T Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00 Cost: C086 DCN - Line ID: 153ASB1020-001 Funding Flag: Partial Funded: \$699,430.00</p>				699,430.00

Modification 318

Item 14 Continuation

1. The purpose of this modification is to obligate funds and to issue Revision 42 to Work Assignment 006RICO032C, Revision 13 to Work Assignment 027RIFS0312 and Revision 18 to Work Assignment 052RICO03DR.

2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 317	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$Exemption (b) (4)		
Fixed Fee			
Total	\$51,124,842.40	\$699,430.00	\$51,824,272.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Jackson Ceramics, Inc. Contractor: HGL WA No.: 006RICO032C
 Activity: RI/FS EPA Contract No. EP-S3-07-05 Revision No.: 42 (Forty-Two)
 Date: 08-05-2015 Contractor Control No. _____ Modification No.: 318
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input checked="" type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input type="checkbox"/> Other
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$) Previous Total _____ This Action _____ New Total _____ Funding Category: <u>Bulk Funding</u> Activity Code: <u>RICO</u> S/SID: <u>032C</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Approved Work Plan Budget</th> </tr> <tr> <th style="text-align: left;">LOE</th> <th style="text-align: right;">(\$)*</th> </tr> <tr> <td colspan="2" style="text-align: center;">Term WAs Only</td> </tr> <tr> <td style="text-align: right;">24,879</td> <td style="text-align: right;">2,968,520</td> </tr> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> <tr> <td style="text-align: right;">24,879</td> <td style="text-align: right;">2,968,520</td> </tr> <tr> <td colspan="2">* Includes fees</td> </tr> </table>	Approved Work Plan Budget		LOE	(\$)*	Term WAs Only		24,879	2,968,520	0	0	24,879	2,968,520	* Includes fees		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Expenditure Limits Not to Be Exceeded</th> </tr> <tr> <th style="text-align: left;">LOE</th> <th style="text-align: right;">(\$)*</th> </tr> <tr> <td colspan="2" style="text-align: center;">Term WAs only</td> </tr> <tr> <td style="text-align: right;">24,872</td> <td style="text-align: right;">2,844,207</td> </tr> <tr> <td style="text-align: right;">80</td> <td style="text-align: right;">8,000</td> </tr> <tr> <td style="text-align: right;">24,952</td> <td style="text-align: right;">2,852,207</td> </tr> <tr> <td colspan="2">* Includes fees</td> </tr> </table>	Expenditure Limits Not to Be Exceeded		LOE	(\$)*	Term WAs only		24,872	2,844,207	80	8,000	24,952	2,852,207	* Includes fees	
Approved Work Plan Budget																														
LOE	(\$)*																													
Term WAs Only																														
24,879	2,968,520																													
0	0																													
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LOE	(\$)*																													
Term WAs only																														
24,872	2,844,207																													
80	8,000																													
24,952	2,852,207																													
* Includes fees																														

4. WA COMPLETION DATE Current: 03-31-2016 Revised: _____

5. EPA COMMENTS:

The amendment authorizes the contractor to submit a workplan and cost estimate - Please see attached statement of work. (SOW).

6. APPROVALS

Contractor Signatures: <table style="width: 100%;"> <tr> <td style="width: 60%;">_____ Site Manager/Firm</td> <td style="width: 40%;">_____ Date</td> </tr> <tr> <td>_____ Program Manager/Firm</td> <td>_____ Date</td> </tr> </table>	_____ Site Manager/Firm	_____ Date	_____ Program Manager/Firm	_____ Date	EPA Signatures: <table style="width: 100%;"> <tr> <td style="width: 60%;">/s/ <u>Stephen Tyahla</u></td> <td style="width: 40%;">_____ 08-05-2015</td> </tr> <tr> <td>Work Assignment Manager</td> <td>Date</td> </tr> <tr> <td>Phone Number</td> <td><u>215-814-3268</u></td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>/s/ <u>Mikal Shabazz</u></td> <td>_____ 08-05-2015</td> </tr> <tr> <td>Project Officer</td> <td>Date</td> </tr> <tr> <td>Phone Number</td> <td><u>215-814-2997</u></td> </tr> </table>	/s/ <u>Stephen Tyahla</u>	_____ 08-05-2015	Work Assignment Manager	Date	Phone Number	<u>215-814-3268</u>			/s/ <u>Mikal Shabazz</u>	_____ 08-05-2015	Project Officer	Date	Phone Number	<u>215-814-2997</u>
_____ Site Manager/Firm	_____ Date																		
_____ Program Manager/Firm	_____ Date																		
/s/ <u>Stephen Tyahla</u>	_____ 08-05-2015																		
Work Assignment Manager	Date																		
Phone Number	<u>215-814-3268</u>																		
/s/ <u>Mikal Shabazz</u>	_____ 08-05-2015																		
Project Officer	Date																		
Phone Number	<u>215-814-2997</u>																		

☒ Approved As _____ Approved With _____ Not
 Submitted Changes Approved

Signature of Contracting Officer 08/06/15
 Date

**SCOPE OF WORK FOR REVISION TO WORK ASSIGNMENT 006RICO032C
OF EPA CONTRACT NO. EP-S3-07-05 (HYDROGEOLOGIC, INC.)**

**TREATABILITY STUDY UNDER
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)**

Site: Jackson Ceramix Superfund Site

Location: Jefferson and Clearfield Counties, Pennsylvania

Contract No: EP-S3-07-05 (HydroGeoLogic, Inc. ["HGL"])

Work Assignment No: 006RICO032C

PURPOSE

The purpose of this Work Assignment revision is to specify the treatability study work to be performed under **Task 8 of Work Assignment (WA) No. 006RICO032C**. The purpose of the treatability study will be to assess the feasibility of using soil amendments to stabilize lead contamination in Site wetlands sediment/soil in a manner that significantly reduces lead bioavailability. The work will include preparation of a treatability study work plan, performance of both bench scale and field/pilot scale treatability studies, and reporting the results. The results will inform preparation of the Site Feasibility Study ("FS"), Task 12 of the WA.

TREATABILITY STUDY/PILOT TESTING (TT)

WBS: 8

The Contractor is to perform the following treatability study/pilot testing tasks:

- 1) **Treatability Study Work Plan:** This task correlates to Subtask 8.1 of HGL's Work Assignment Work Plan, Revision 1 of December 7, 2007. Contractor is to prepare a Treatability Study ("TS") Work Plan for the performance of both bench-scale and field pilot-scale treatability studies to assess the performance of humic acid and apatite-based (e.g., EnviroBlend®) soil amendments to stabilize and lower the bioavailability of lead (and concomitantly other metals) in Site wetland sediments and soils. The TS Work Plan shall be provided in draft form and then finalized after EPA, including the Biological Technical Assistance Group ("BTAG"), review and comment on the draft. The TS Work Plan should include or be accompanied by, as appropriate, any necessary updates or addenda to the existing project Sampling and Analysis Plan ("SAP"), Data Management Plan, and project-specific Health and Safety Plan ("HASP"). The TS design should examine, at a minimum, these factors and methods:
 - a. Effectiveness of amendments in stabilizing/reducing the bioavailability of lead over a range of lead concentrations that adequately bound those Site concentrations of lead contained in sediment and soil that is not predominantly ceramic waste material. (For purposes of this scope, it is presumed that material that is predominantly ceramic waste material will be remediated through excavation and appropriate disposal.)
 - b. Bioavailability—assessed via in vitro method for bench scale work, and in vitro and earthworm extraction during field/pilot scale study.
 - c. Depths of effective treatment for the amendment/application method combinations

evaluated.

- d. Amendment forms and application methods to be evaluated should include, but not be limited to, the following *in-situ* methods:
 - i. Surface spray of liquid form amendments to saturate sediment/soil; and
 - ii. Application of solid form amendment(s) followed by soil mixing (e.g., disking)
- e. Commercial availability of equipment and amendments for full-scale use and estimated costs.

- 2) **Perform Treatability Study:** This task correlates to Subtasks 8.2, 8.3 and 8.4 of HGL's Work Assignment Work Plan, Revision 1 of December 7, 2007. The contractor shall implement the work described in the approved TS Work Plan. For cost-estimating purposes, the contractor should assume the treatability study scheme outlined in Tables 1 and 2.

Table 1. Bench Scale Dosing				
Matrix indicates replicates to be analyzed for bioaccessible lead by in vitro technique ¹ .				
		Targeted Soil Lead (mg/kg) concentrations ²		
Soil Amendment & Application Method	Amendment Concentration (ppm)	250	500	1000
humic acid liquid saturation	250	8		
	500		8	
apatite liquid saturation ⁴	to be determined ³		8	
	to be determined ³			8
apatite solid with mixing ⁴	to be determined ³		8	
	to be determined ³			8
control	None	8	8	8
NOTES:				
1-In vitro technique for bioaccessibility to be determined during work plan development; for costing purposes presume EPA Method 1340.				
2-No soil/sediment pH adjustments—soil samples should represent existing in-field conditions. Target soil concentrations via analytical method CLP ILM05.3 / ILM05.4.				
3-Amendment concentrations are to be based on vendor recommendations/operating procedures.				
4-Apatite-based amendment, e.g., EnviroBlend®				

Table 2. Field Scale Application					
Soil Amendment & Application Method (dosages based on bench scale results)	Soil Depth (inches)	Round #1		Round #2	
		Lead Bioaccessibility Analysis (soil extraction) ²	Earthworm Lead Bioaccumulation Analysis ³	Lead Bioaccessibility Analysis (soil extraction) ²	Earthworm Lead Bioaccumulation Analysis ³
humic acid or apatite liquid ¹	6	8	4	8	4
	12	8		8	
apatite with mixing ¹	6	8	4	8	4
	12	8		8	
	24	8		8	
NOTES:					
1-two rounds of liquid saturation / soil mixing					
2-In vitro technique for bioaccessibility to be determined during work plan development; for costing purposes presume EPA Method 1340.					
3-Invertebrate (earthworm) tissue analysis for lead using Method CLP ILM05.3/ ILM05.4.					
Assumptions:					
humic-metal complexes will be stabilized in plants					
apatite-metal complexes will be unavailable in soil					

- 3) **Treatability Study Evaluation Report:** This task correlates to Subtask 8.5 of HGL's Work Assignment Work Plan, Revision 1 of December 7, 2007. Contractor shall provide a Treatability Study Evaluation Report in draft form and then final form after EPA, including the BTAG (Biological Technical Assistance Group), review and comment on the draft. The report will provide the results of for each amendment/application method combination and provide a comparative assessment of effectiveness, implementability, and cost. The report will also evaluate full scale application of those amendment/application methods deemed to be viable including a sensitivity analysis identifying the key parameters affecting full-scale implementation (e.g., field condition variability, logistics, potential negative physical impacts to vegetation and terrain and how they might be mitigated).

Schedule

Deliverable	No. of Copies ²	Due Date
Draft Treatability Study Work Plan ¹	3	45 days from award of WA Revision
Final Treatability Study Work Plan	3	30 days from receipt and resolution of EPA & BTAG comments
Perform Treatability Study		In accordance with the approved TS Work Plan
Draft TS Evaluation Report	3	In accordance with the approved TS Work Plan
Final TS Evaluation Report	3	30 days from receipt and resolution of EPA & BTAG comments

SCHEDULE NOTES:

1. TS Work Plan is to include, as necessary, modification of or addenda to existing project HASP, and SAP.
2. Documents shall also be provided in electronic (*.pdf) format; any maps produced using ArcMap shall be also

provided as geospatial PDFs (e.g., sample locations, locations of field test plots).

Information Resources:

The Andersons Humic Solutions (<http://andersonshumates.com/>) [have expressed interest in a trial]

<http://www.arbico-organics.com/product/2659/organic-soil-conditioners?kpid=1328401&gclid=CL-v8-r45MUCFdSQHwod8KMA3g>

<http://www.humicgrowth.com/humicacid.htm>

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: McAdoo Associates Contractor: HGL WA No.: 027RIFS0312
 Activity: FFS EPA Contract No. EP-S3-0705 Revision No.: 13 (Thirteen)
 Date: 07-30-2015 Contractor Control No. _____ Modification No.: 318
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
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3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total	<u>3163</u>	<u>454,290</u>	<u>3,163</u>	<u>454,290</u>
This Action	<u>150</u>	<u>20,000</u>	<u>150</u>	<u>20,000</u>
New Total	<u>3,313</u>	<u>474,290</u>	<u>3,313</u>	<u>474,290</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>0312</u>				

4. WA COMPLETION DATE Current: 12-31-2015 Revised: 12-31-2016

5. EPA COMMENTS:

This amendment adds LOE hours & dollars for the Contractor to conduct the following:

- Complete 1 sampling event of all monitoring wells by October 15, 2015, and 1 sampling event of all monitoring wells by October 15, 2016.
- Submit samples to an approved EPA CLP laboratory for TCL volatiles, TCL semivolatiles, and TAL metals. Standard analytical turnaround times are to be requested.
- Submit brief letter report with data summary within 45 days of receipt of validated analytical data following each sampling event.
- Investigation-derived waste is to be disposed of within 45 days of receipt of validated analytical data following each sampling event.

The period of performance is extended to December 31, 2016.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Brad White</u> <u>7-29-2015</u> Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> <u>7-29-2015</u> Environmental Engineer Date
---	---

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Signature of Contracting Officer, *[Signature]*

08/06/15
Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Chem-Fab OU 1 Contractor: HGL WA No.: 052RICO03DR
 Activity: RIFS EPA Contract No. EP-S3-07-05 Revision No.: 18 (Eighteen)
 Date: 08/03/2015 Contractor Control No. _____ Modification No.: 318
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total _____	5,681	1,240,931	5,431	1,216,102
This Action _____	48	24,965	48	24,965
New Total _____	5,729	1,265,896	5,479	1,241,067
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>03DR</u>				

4. WA COMPLETION DATE Current: 06-30-2016 Revised: _____

5. EPA COMMENTS:

This WA amendment requires the contractor to:

Conduct geophysics on residential well on North West Street
 Conduct packer testing on well
 Convert residential well into a monitoring well

6. APPROVALS

Contractor Signatures:	EPA Signatures:
Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	/s/ <u>Huu Ngo</u> _____ 08-03-2015 Work Assignment Manager Phone Number <u>215-814-3187</u> /s/ <u>Mikal Shabazz</u> _____ 08-03-2015 Project Officer Phone Number <u>215-814-3281</u>

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Signature of Contracting Officer, _____ 08/06/15
 Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 18	
2. AMENDMENT/MODIFICATION NO. 0319		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule	
5. PROJECT NO. (If applicable)		6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 193942604		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$809,905.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Unilateral - B.2 Work Assignments, B.6 Limitation of Funds Notice


E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604
See Item 14 Continuation

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 08/20/15

REFERENCE NO. OF DOCUMENT BEING CONTINUED
EP-S3-07-05/0319

PAGE 2 OF 18

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0074	<p>Add Item 0074 as follows:</p> <p>HGL:EP-S3-07-05 Bulk funds Requisition No: PR-R3-15-00463</p> <p>Accounting Info: 15-T-3AS0P-303DD2-2505-C086-153ASB1028-001 BFY: 15 Fund: T Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00 Cost: C086 DCN - Line ID: 153ASB1028-001 Funding Flag: Partial Funded: \$500,063.00</p> <p>Accounting Info: 14-T-3AS0P-303DD2-2505-C086-153ASB1028-002 BFY: 14 Fund: T Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00 Cost: C086 DCN - Line ID: 153ASB1028-002 Funding Flag: Partial Funded: \$1,793.00</p> <p>Accounting Info: 14-TD-3AS0P-303DD2-2505-C086-153ASB1028-003 BFY: 14 Fund: TD Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00 Cost: C086 DCN - Line ID: 153ASB1028-003 Funding Flag: Partial Funded: \$303,049.00</p> <p>Add Item 0075 as follows:</p>				804,905.00
0075	<p>HGL Inc. EP-S3-0705 Kane and Lombard OU2 RI/FS oversight</p> <p>Obligated Amount: \$5,000.00 Requisition No: PR-R3-15-00413</p> <p>Accounting Info: 15-TR2B-03S0XB2-303DD2-2505-03B2BD02-C002-1503SK10 47-001 BFY: 15 Fund: TR2B Budget Org: 03S0XB2 Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03B2BD02 Cost: C002 DCN - Line ID: 1503SK1047-001 Funding Flag: Partial Funded: \$5,000.00</p>				5,000.00

Modification 319

Item 14 Continuation

1. The purpose of this modification is to obligate funds and to issue Revision 10 to Work Assignment 022RICO03H6, Revision 14 to Work Assignment 031TATA0378, Revision 17 to Work Assignment 044RICOA3Z4 and Revision 13 to Work Assignment 047ROBE03B2.

2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 318	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$Exemption (b) (4) -		
Fixed Fee	\$ -		
Total	\$51,824,272.40	\$809,905.00	\$52,634,177.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Standard Chlorine of Delaware, Inc. Contractor: HGL WA No.: 022RICO03H6
 Activity: RI/FS EPA Contract No. EP-S3-0705 Revision No.: 10 (Ten)
 Date: 08-19-2015 Contractor Control No. _____ Modification No.: 319
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
--	---	---	--	---

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total	<u>7,550</u>	<u>1,750,425</u>	<u>7,300</u>	<u>1,715,425</u>
This Action	<u>1,384</u>	<u>0</u>	<u>1,384</u>	<u>0</u>
New Total	<u>8,934</u>	<u>1,750,425</u>	<u>8,684</u>	<u>1,715,425</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RIFS</u> S/SID: <u>03H6</u>				

4. WA COMPLETION DATE Current: 12-31-2015 Revised: 12-31-2016

5. EPA COMMENTS: This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the cost and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This amendment adds LOE hours to complete the following tasks:

- Complete monitoring well sampling event of Potomac aquifer wells in September 2015 and September 2016
- Adds contract-specified project management hours for remaining 20 months of work assignment (12 hours/month)
- Complete data analysis/usability
- Address EPA comments to draft RI Report
- Address EPA comments to draft FS Report

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Brad White</u> _____ 08-19-2015 Work Assignment Manager Date /s/ <u>Mikal Shabazz</u> _____ 08-19-2015 Environmental Engineer Date
---	---

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

Signature of Contracting Officer, [Signature]

Date 08/20/15

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Raymark Contractor: HGL WA No.: 031TATA0378
 Activity: Technical Assistance EPA Contract No. EPS30705 Revision No.: 14 (Fourteen)
 Date: 08-18-2015 Contractor Control No. _____ Modification No.: 319
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) <input type="checkbox"/> Attach SOW including schedule <input type="checkbox"/> Designate Contracting Officer Representative (COR)	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) <input type="checkbox"/> Change in LOE or scope by task <input type="checkbox"/> Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval <input type="checkbox"/> Approve change in LOE, scope, or budget <input type="checkbox"/> Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum <input type="checkbox"/> Details on scope, budget, or schedule <input type="checkbox"/> Minor shift within SOW (no change in \$/LOE) <input type="checkbox"/> Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding <input type="checkbox"/> Fund approved WP <input type="checkbox"/> WA Closeout Notification <input type="checkbox"/> Notify contractor to initiate WA closeout task <input type="checkbox"/> Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Extend the Period of Performance</u>
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3. BUDGET INFORMATION

___ Completion WA ___ Term WA	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total <u>0</u>	<u>1695</u>	<u>384,157</u>	<u>1695</u>	<u>384,157</u>
This Action <u>0</u>	<u>324</u>	<u>85,921</u>	<u>324</u>	<u>85,921</u>
New Total <u>0</u>	<u>2019</u>	<u>470,078</u>	<u>2019</u>	<u>470,078</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: TATA SID:0378				

4. WA COMPLETION DATE

Current: 09-30-2015 Revised: 12-31-2015

5. EPA COMMENTS: This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the cost and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This WA extends the POP and requires the contractor to increase the depth of two wells (MW-05 and MW-09) to a depth of 200 feet (from 130 feet approx.).

EPA expects to receive reports regarding geophysical conditions at the wells, in situ sampling with a portable GC, similar conditions and expectancies to the previous drilling in 2015. This will be considered part of the project for the Raymark Superfund Site, where wells were drilled to investigate conditions near the Site. Any findings for the drilling shall be incorporated into the Final report for ongoing project.

EPA requests a Conceptual Site Model to be developed, where geologic conditions, plume of contaminants, direction of groundwater are presented in a diagram intended for the general public.

Please see attached SOW.

6. APPROVALS

Contractor Signatures:	EPA Signatures
Site Manager/Firm _____ Date _____	Jose Redmond _____ 08-18-2015 Work Assignment Manager Date
Program Manager/Firm _____ Date _____	Mikal Shabazz _____ 08-18-2015 Environmental Engineer Date
Approved As <input checked="" type="checkbox"/> Submitted	Signature of Contracting Officer <u>Jeffery K. Ballou</u> Date <u>08/20/15</u>
<input checked="" type="checkbox"/> Approved With Changes	
<input type="checkbox"/> Not Approved	

**RAC II NATIONAL MODEL STATEMENT OF WORK
FOR TECHNICAL ASSISTANCE (TA)**

Raymark Superfund Site, Borough of Hatboro, Montgomery County, Pennsylvania

August 04, 2015

INTRODUCTION

PURPOSE:

The purpose of this work assignment is to obtain contractor support to drill deeper two (2) of the recently drilled wells associated with the Raymark Superfund Site groundwater investigation. The wells to be drilled are MW-05 and MW-09 in the Borough of Hatboro, PA. In addition the contractor will also develop a Conceptual Site Model (CSM) that will represent current conditions at the Raymark Superfund Site (Site). This Statement of Work (SOW) sets forth the framework and requirement for implementing the required technical assistance at the Site.

BACKGROUND INFORMATION:

The Raymark Site is a 7-acre operating facility located on Jacksonville Road between Tanner and Markley Avenues in Hatboro, Montgomery County, Pennsylvania. The Site is located in an industrial area approximately 100 feet from the nearest residence. The Site was historically used to treat electroplating wastes and included a metal cleaning degreasing operation located in the rear section of the manufacturing building. A solvent storage tank was formerly located immediately outside this area.

The public water supply was operated by the Hatboro Borough Water Authority (HBWA), which pumped groundwater from twelve large capacity wells. In late 1979, a series of environmental samples collected by EPA, the former Pennsylvania Department of Environmental Resources (PADER), now the Pennsylvania Department of Environmental Protection (PADEP), and the Hatboro Borough Water Authority (HBWA), revealed the presence of TCE and several other volatile organic compounds (VOCs) in 8 of 16 public supply wells (twelve of a large capacity and four of lesser capacity). As a result, HBWA removed the affected wells from routine operation and began to supplement its water needs from an interconnection with a neighboring water company.

EPA installed a monitoring well on the Site in 1981 as part of an effort to investigate regional groundwater contamination. In 1982, soil samples were collected from the area of the former TCE storage tanks and from an area where former lagoons were located. From that point on, several investigations which included the determination of the relative hazards posed by the

Site, installation and sampling of five monitoring wells along the railroad tracks located west of the Site, sampling of other nearby monitoring wells and abandoned water supply wells, additional on-site soil sampling and extensive sampling of the soil and bedrock on-site were done. Investigation activities were completed by 1985 and were sufficient for the United States to file a Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) and Resource Conservation and Recovery Act (RCRA) complaint against Raymark Industries, Inc, on behalf of EPA. Reimbursement for past and future remedial action response costs was requested. Before a decision was rendered, a settlement was reached between the United States and the Defendants in late 1988. The terms of the settlement were documented in a Consent Decree that was judicially entered in February 1989.

The Raymark Site was proposed for the National Priorities List (NPL) in June 1988 and was promulgated on the NPL in October 1989. Public water is currently supplied by Aqua America Inc. ("Aqua"). There are no known residential drinking wells impacted by the Raymark Site.

After reviewing the results of the RI/FS, EPA issued two Record of Decisions (RODs) for this Site. The first ROD for Operable Units (OU) 2 & 3 was signed on September 28, 1990. The second ROD for Operable Unit 1 was signed on December 30, 1991. The contaminants of concern in both RODs are volatile organic compounds, primarily Trichloroethene (TCE).

Based on the remedial design, the remedies were organized into the following operable units. OU-1 refers to On-site Soil (soil and source control). OU-2 makes refers to off-site ground water (drinking water supply wells H-14 and H-17). OU-3 makes refers to on-site groundwater (groundwater treatment system). To address the contamination, remedial alternative objectives (RAOs) as established in the RODS are as follows:

Remedial Alternative Objectives (OU2 & OU3) for Groundwater

- 1) Protect public health and the environment.
- 2) Reduce further migration of contaminated groundwater from the Site towards public supply wells.
- 3) Contain the contamination within the currently affected area.
- 4) Reduce risk resulting from release of contaminants into the air from treatment devices.
- 5) Contribute to the restoration of the aquifer to its beneficial use, and further to background quality, if practicable.

Remedial Alternative Objectives (OU1) for Soils

- 1) Protect public health and the environment.
- 2) Reduce the amount of contamination in subsurface soil and bedrock such that leaching of contamination to groundwater is minimized.

- 3) Minimize leaching of residual contamination to the groundwater such that levels of TCE in groundwater do not exceed 5 parts per billion (ppb) or background, whichever is lower, as defined in the ROD for OU2 and OU3.
- 4) Reduce risk resulting from the release of contaminants into the air from treatment devices.

The cleanup goal for remediation of the Site soils was determined to be 50 ppb TCE. This number was calculated as the maximum amount of TCE allowable to prevent further migration of contamination from the soil into the groundwater. In an effort to restore the aquifer to beneficial use, the remediation system implemented in each of the alternatives was intended to operate until the contaminant levels reach MCLs, non-zero Maximum Contaminant Level Goals (MCLG s), or background, whichever are lower.

In June 2007, EPA issued a Draft Explanation of Significant Differences (ESD) for public comment. In September 2007, the Draft ESD became final. The ESD modified the remedy by eliminating the requirement for wells H14 and H17, associated with OU2 and OU3, to be operated and treated by the Hatboro Borough Water Authority and by requiring institutional controls in connection with the on-Site treatment system as well as contaminated groundwater attributable to the Site.

A Five-Year Review for the site was completed in September 2008. Vapor intrusion was identified as a possible route of exposure and considered an issue. A recommendation was issued to expand the data about shallow water concentration of contaminants associated with the contamination from the Site; and if necessary, study the possibility of VI associated with the Site contamination. Shallow wells were installed down gradient of the Site and information gathered from them indicated that there is a possibility of VI occurring at buildings down gradient to the site.

GENERAL REQUIREMENT:

The contractor shall furnish personnel, services, materials and equipment to provide the required technical assistance in accordance with this Statement of Work.

The contract work breakdown structure (WBS) shall be used for project scoping, scheduling, and technical and cost tracking and reporting under this work assignment/task order.

The summary of major deliverables and delivery schedule for this work assignment/task order is specified in Attachment 1.

The work shall be conducted in accordance with the appropriate EPA guidance documents. In all cases, the contractor shall use the most recently issued guidance.

The contractor shall maintain work assignment/task order activity files as specified in the contract and by the Work Assignment Manager (WAM)/Contracting Officer Representative (COR).

The contractor shall communicate at least monthly with the Work Assignment Manager WAM/COR, either in face-to-face meetings or through conference calls. The contractor shall document all decisions that are made in meetings and conversations with EPA. The contractor shall forward this documentation to the WAM/COR within five working days of the meeting or conversation.

EPA will provide oversight of contractor activities throughout the work assignment/task order. EPA review and approval of deliverables is a tool to assist this process and to satisfy, in part, EPA's responsibility to provide effective protection of public health, welfare, and the environment. Acceptance of contractor submittals by EPA does not relieve the contractor from responsibility for the adequacy of the deliverables or their professional responsibilities.

RECORD KEEPING REQUIREMENT:

Maintain all technical and financial records for technical assistance in accordance with the contract. At the completion of the work assignment/ task order, submit an official record of the technical assistance in both compact disk and a hardcopy to the WAM/COR Officer. Provide the deliverables using electronic media.

USEPA PRIMARY CONTACTS:

The USEPA primary contact for this work assignment/task order is José R. Redmond Girón, the WAM/COR who can be contacted at (215)814-3019, Fax (215)814-3002, Internet Address redmond.jose@epa.gov. The secondary contact for this work assignment/task order is Christopher Corbett who can be contacted at (215)814-3220, Fax (215)814-3002, Internet Address Corbett.chris@epa.gov. The mailing address is: U.S. EPA Region 3, 1650 Arch Street, Philadelphia, Pennsylvania 19103-2029. The mail code is: 3HS20.

WORK ASSIGNMENT/TASK ORDER COMPLETION DATE & PROJECT CLOSEOUT:

At the completion of the work assignment/task order, the contractor shall perform all necessary closeout activities as specified in the contract. These activities include closing out any subcontracts, indexing and consolidating project records and files as required above, and providing a technical and financial closeout report to EPA. The estimated date for completion of all technical activities and closeout activities for this work assignment/task order is December 31, 2015.

TASK 1 PROJECT PLANNING and SUPPORT

The contractor shall perform the following activities to initiate and manage the work assignment/task order.

Attend Scoping Meeting. The contractor shall contact the WAM/COR within five calendar days after receipt of the work assignment/task order to acknowledge the receipt of this request. No kickoff meeting is necessary since this is an ongoing project (WA 031TATA0378). It is anticipated that the contractor will update their workplan to accommodate this request.

Update Work Plan or Technical Approach Memo. The contractor shall update and submit an updated work plan or technical approach memo within 10 calendar days after receipt of the work assignment/task order. The contractor shall use information from this SOW, appropriate EPA guidance, and technical direction provided by the EPA WAM/COR as the basis for updating the work plan or technical approach memo. The work plan or technical approach memo shall include a description of project tasks, the procedures and estimated costs to accomplish tasks, project documentation, and project schedule. The contractor shall use their quality assurance/quality control (QA/QC) systems and procedures to assure that the work plan or technical memo and other deliverables are of professional quality requiring only minor revisions. Specifically, the work plan or technical approach memo shall include the following:

- Identification of tasks described in the SOW. Output of this task will be a detailed work breakdown structure of the project.
- The contractor's technical approach to each task to be performed; any information to be produced during and at the conclusion of each task; and a description of the work products that will be submitted to EPA. Information shall be presented in a sequence consistent with the SOW.
- A schedule with specific dates for completion of each required activity and submission of each deliverable required by the SOW. This schedule shall also include information regarding timing, initiation, and completion of all critical path milestones for each activity and deliverable and the expected review time for EPA.
- A list of key contractor personnel providing support on the work assignment/task order.
- Estimated costs for performing work assignment/task order tasks presented at the task level and the overall work assignment/task order level.

Prepare Revised Work Plan or Technical Approach Memo (if necessary). The contractor shall attend a work plan or technical approach negotiation meeting at the EPA Region 3 office. EPA and the contractor will discuss and agree upon the final technical approach, and the costs required to accomplish the tasks outlined in the SOW. The contractor shall prepare and submit a revised work plan or technical approach memo incorporating the agreements made in the negotiation meeting.

Provide Conflict of Interest Disclosure. The contractor shall prepare and submit a conflict of interest disclosure statement that complies with contract requirements with the work plan/cost estimate submittal.

Perform Site-specific Project Management. The contractor shall provide general work assignment/task order management and coordination to implement the work assignment/task order described in this SOW. The contractor shall prepare monthly progress reports in accordance with contract requirements. The contractor shall manage and track costs and prepare and submit invoices. The contractor shall report costs and level of effort (by P-level) for the reporting period as well as cumulative amounts expended to date. Periodically, during the course of the work assignment/task order, the WAM/COR may request actual costs to date by work breakdown structure (WBS) element. For budgeting purposes, the contractor shall assume 2 of these requests.

Track Site-Specific Equipment. The contractor shall manage, track, and report status of site-specific equipment (if any).

Attend Meetings. The contractor shall participate in progress meetings during the course of the work assignment/task order. The contractor shall prepare meeting minutes as requested by the WAM/COR. It should be assumed that the meetings will take place via conference call or in the EPA Region 3 office. For budgeting purposes, the contractor shall assume 1 meeting, with 1 person in attendance, for 2 hours each (excluding travel time) per fiscal year quarter.

Accommodate External Audit. The contractor shall accommodate any external audit or review mechanism that EPA may require.

Evaluate Existing Data and Review Background Documents. The contractor shall obtain, copy, and review available information and evaluate existing documents and data pertaining to the site. The contractor shall obtain the necessary information from the WAM/COR. The contractor shall evaluate the existing data and documents, including but not limited to the following:

- EPA Record of Decision(s)
- EPA Explanation of Significant Differences
- EPA Five-Year Review Report
- Site Health & Safety Plan
- Site Sampling & Analysis Plan
- Site Quality Assurance Project Plan
- Existing and or current groundwater quality data

Coordinate with Emergency Response Teams. The contractor shall coordinate with local and emergency response teams, as necessary.

Attend Training. The contractor shall attend training held by EPA as directed by the EPA WAM/COR.

Update Site-Specific Plans: The contractor shall develop a draft plan for EPA review, then incorporate EPA comments to produce the final plan. The contractor shall update the following site-specific plans, if necessary:

- Field Sampling Plan (FSP). Prepare a Field Sampling Plan (FSP) that defines the sampling and data collection methods that shall be used for the project. The FSP shall include sampling objectives; sample locations and frequency; sampling equipment and procedures; sample handling and analysis; and a breakdown of samples to be analyzed through the Contract Laboratory Program (CLP) and through other sources, as well as the justification for those decisions. The FSP shall consider the use of all existing data and shall justify the need for additional data whenever existing data will meet the same objective. The FSP shall be written so that a field sampling team unfamiliar with the site would be able to gather the samples and field information required. The contractor shall document any required changes to the FSP in a memorandum to the WAM/COR.
- Quality Assurance Project Plan (QAPP). The contractor shall prepare a Quality Assurance Project Plan (QAPP) in accordance with EPA QA/R-5 (latest draft or revision). The QAPP shall describe the project objectives and organization, functional activities, and quality assurance/quality control (QA/QC) protocols that shall be used to achieve the desired Data Quality Objectives (DQOs). The DQOs shall, at a minimum, reflect use of analytical methods for identifying contamination and addressing contamination consistent with the levels for remedial action objectives identified in the National Contingency Plan. The QAPP developed for the previous site work (RI/FS, O&M, etc.) should be referenced or adapted whenever possible when preparing the QAPP for this work assignment.
- Health and Safety Plan (HASP). The contractor shall prepare a site-specific HASP that specifies employee training, protective equipment, medical surveillance requirements, standard operating procedures, and a contingency plan in accordance with 40 CFR 300.150 of the NCP and 29 CFR 1910.120 1(1) and (1)(2). A task-specific HASP must also be prepared to address health and safety requirements for site visits.

Team or Pool Subcontract Management. If the contractor proposes utilization of a team or pool subcontractor to implement any portion of the work outlined in this SOW, the contractor shall incorporate the effort associated with management of the team or pool subcontractor under this SOW element.

Task 2 Expert Technical Assistance (ET)

This task includes providing expert knowledge to the EPA in a variety of technical areas, including but not limited to, vapor intrusion sampling. The contractor shall provide the following support under this task.

- **Technical Meeting Assistance.** This task includes work efforts related to attendance at and documentation of meetings with EPA and PADEP. The contractor shall attend various meetings throughout the performance of the work assignment/task order. These meetings are in addition to the meetings specifically included within other tasks in this SOW. The contractor may be required to prepare meeting minutes or comments. For budgeting purposes the contractor shall assume 3 meetings. It should be assumed that the meetings will take place via conference call or in the EPA Region 3 office. It is anticipated that each meeting will last approximately 3 hours and that 1-2 contractor staff person will attend each meeting.
- **Technical Assistance.** The contractor shall provide assistance in the development and/or review of technical information/documentation relating to the site (e.g., application of a specific technology on a specific site). The contractor shall provide technical assistance consisting of various technical reviews, evaluations, modeling activities, and assessments at the site, as necessary.

Task 3 Analytical Support and Data Evaluation (AS/DE)

Schedule, coordinate, track, and oversee baseline sample analyses and validate analytical data. Typical activities include, but are not limited to, the following:

- If necessary, aid in obtaining access agreements from owner of the properties to be surveyed.
- Drilling the before mention wells to the deep required by this SOW.
- Collecting, preparing, and shipping environmental samples in accordance with the Field Sampling Plan (FSP). Outdoor air sampling.
- Developing data quality objectives (DQO) for each sampling event; these DQOs shall be the determining factor for assessing the success or failure of the sampling.
- Requesting, obtaining, and performing oversight of analytical services in compliance with EPA requirements.
- Coordinating with the EPA Sample Management Office, the Regional Sample Control Coordinator, and/or the Environmental Services Division regarding analytical support, data validation, and quality assurance issues.
- Implementing the EPA-approved laboratory quality assurance program that provides oversight of in-house and subcontracted laboratories through periodic performance evaluation sample analyses and/or on-site audits of operations and includes a system of corrective actions.

- Providing sample management including chain of custody procedures, information management, sample retention, and 10-year data storage.
- Assuring data validation, the process by which the quality of the data, the defensibility of the data, and the chain of custody are verified. Making sure data validation is in accordance with Regional guidelines.
- Reviewing data for usability for its intended purpose.
- Providing reports on data validation and usability, as well as report of results with recommendations.
- Preparation of CSM explaining conditions at the Site.

Task 4 Work Assignment/Task Order Closeout (CO)

The Contractor shall perform the following efforts related to work assignment/task order close out.

- Return of documents to EPA or other document repositories
- File duplication, distribution, and storage
- File archiving to meet Federal Records Center requirements
- Use of microfiche, microfilm, or other EPA-approved data storage technology
- Prepare a Work Assignment/Task Order Close-out Report (WACR) in accordance with regional guidance or other procedures as specified in the Work Assignment/Task Order. If the final hours/budget is greater than +/- 10% of the original approved work plan hours/budget, the WACR shall describe the circumstances that explain why this occurred.

Attachment 1- Summary of Major Submittals & Delivery Schedule

TASK	DELIVERABLE	NO. OF COPIES	DUE DATE (in calendar days)
1	Technical Assistance Memo or Work Plan	3	30 days after receipt of work assignment/task order
1	Revised Technical Assistance Memo or Work Plan (if necessary)	3	15 days after meeting/ agreement of EPA comments
1	Monthly Progress Reports	3	In accordance with contract requirements
1	Responses to financial information requests	1	5 days after WAM/COR request
1	Revised Site-Specific Plans	2	To Be Determined
2	Technical Memo following Vapor Intrusion evaluation	3	60 days after completion of sampling
3	Work Assignment Closeout Report	3	As directed in Work Assignment Closeout Notification

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Peck Iron and Metal Contractor: HGL WA No.: 044RICOA3Z4
 Activity: RIFS EPA Contract No. EP-S3-0705 Revision No.: 17 (Seventeen)
 Date: 08-18-2015 Contractor Control No. _____ Modification No.: 319
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice ___ Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total _____	<u>11,173</u> <u>2,185,657</u>	<u>7,090</u> <u>1,470,000</u>
This Action _____	<u>0</u> <u>0</u>	<u>3,000</u> <u>600,000</u>
New Total _____	<u>11,173</u> <u>2,185,657</u>	<u>10,090</u> <u>2,070,000</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees	* Includes fees
Activity Code: <u>RICO</u> S/SID: <u>A3Z4</u>		

4. WA COMPLETION DATE Current: 12-31-2016 Revised: _____

5. EPA COMMENTS:

This amendment increases the expenditure limits in order to allow the contractor to complete previously approved tasks.

6. APPROVALS

Contractor Signatures: <div style="display: flex; justify-content: space-between;"> <div>Site Manager/Firm</div> <div>Date</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Program Manager/Firm</div> <div>Date</div> </div>	EPA Signatures: <div style="display: flex; justify-content: space-between;"> <div>/s/ <u>Debra Rossi</u></div> <div><u>08-18-2015</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Work Assignment Manager</div> <div>Date</div> </div> <div style="display: flex; justify-content: space-between;"> <div></div> <div>Phone Number <u>Ext. 4-3228</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>/s/ <u>Mikal Shabazz</u></div> <div><u>08-18-2015</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Environmental Engineer</div> <div>Date</div> </div> <div style="display: flex; justify-content: space-between;"> <div></div> <div>Phone Number <u>Ext. 4-3281</u></div> </div>
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☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

Signature of Contracting Officer, 08/20/15
 Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Kane and Lombard Contractor: HGL WA No.: 047ROBE03B2
 Activity: RD Oversight EPA Contract No. EP-S3-07-05 Revision No.: 13 (Thirteen)
 Date: 08-11-2015 Contractor Control No. _____ Modification No.: 319
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input checked="" type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>140,165</u>	<u>1072</u> <u>140,165</u>	<u>1072</u> <u>140,165</u>
This Action <u>5,000</u>	<u>0</u> <u>0</u>	<u>50</u> <u>5,000</u>
New Total <u>145,165</u>	<u>1072</u> <u>140,165</u> * Includes fees	<u>1122</u> <u>145,165</u> * Includes fees
Funding Category: <u>Site Specific</u>		
Activity Code: <u>ROBE</u> S/SID: 03B2		

4. WA COMPLETION DATE Current: 12-31-2015 Revised: _____

5. EPA COMMENTS: HGL is authorized to develop a workplan for the following: Assistance in overseeing the PRP groundwater pump, a pilot study treatment facility, construction activities and start up. These oversight activities include: (1) data collection, for at least one year; (2) comparative data analysis with the previous modeling performed to see the model fits the hydraulics of acquirer; (3) evaluating the need for changes to modeling or expanding pilot study for two mile-long plume; (4) providing assistance on developing proposed Remediation plans and ROD; (5) providing support for a public meeting; (6) checking the construction for proper functioning and design of a mitigation system in one industrial facility installed by the PRP and; (7) evaluate the implemented and proposed mitigation system's performance based on post mitigation sampling and comparing with EPA risks number identified in the workplan.

See attached SOW for further guidance.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Bhupi Khona</u> <u>08-11-2015</u> Work Assignment Manager Date Phone Number <u>(215) 814-3213</u> /s/ <u>Mikal Shabazz</u> <u>08-11-2015</u> Project Officer Ext. 4-3281 Date
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☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 08/20/15
 Signature of Contracting Officer, Date

Revision 9 Work Assignment # 047ROBE03B2
STATEMENT OF WORK
FOR REMEDIAL DESIGN (OU 2) OVERSIGHT
Kane & Lombard Drum Site, Baltimore, MD

Additional subtask # 5 under Task 8

Engineering review of mitigation system needs to be performed, PRP performance of the mitigation monitoring would be required based on post construction sampling. This sub task would require evaluation of PRP monitoring and recommendation, if found to be necessary. The one PiCorp building mitigation plan needs to be reviewed. If the design is involved, it needs to be evaluated.

Additional subtask # 6 under Task 8

Oversight would be required during the construction, review of design and safety concerns associated with hydrogen peroxide based ultra violet treatment of organics. Data generated from the Pilot Study data needs to be analyzed and checked. Compare with the model that was used previously. A new modeling of the data would be required to assess the true hydraulic characteristics of the aquifer. Recommendation on number of extraction wells will need to be evaluated. Technical assistance to develop a proposed plan and ROD. Provide community relation for one public meeting which was tasked previously.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 0320		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

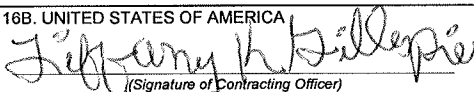
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Unilateral - B.2 Work Assignments

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 08/27/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Chem-Fab OU 1

Contractor: HGL

WA No.: 052RICO03DR

Activity: RIFS

EPA Contract No. EP-S3-07-05

Revision No.: 19 (Nineteen)

Date: 08/20/2015
(Contracting Officer Use Only)

Contractor Control No. _____

Modification No.: 320

2. DESCRIPTION OF ACTION

☐ New WA
(need WP for the WA)
· Attach SOW including
schedule
· Designate WAM

☐ WA Amendment
(need revised WP and/or
cost estimate)
· Change in LOE or scope
by task
· Add additional tasks or
funds for increased
activity

☐ Partial WP Approval
☐ WP Disapproval
☐ Final WP Approval
☒ Amendment to Final
WP Approval
· Approve change in LOE,
scope, or budget
· Approve additional tasks

☐ Technical Direction
Memorandum
· Details on scope, budget, or
schedule
· Minor shift within SOW
(no change in \$/LOE)
· Change WAM
☒ Set or revise expenditure
limit (EL)

☐ Incremental Funding
· Fund approved WP
☐ WA Closeout Notification
· Notify contractor to initiate WA
closeout task
· Revise EL after final invoice
☐ Other _____

3. BUDGET INFORMATION

☐ Completion WA ☒ Term WA

Total Funding Received (\$)

Previous Total _____

This Action _____

New Total _____

Funding Category: Bulk Funding

Activity Code: RIFS S/SID: 03DR

Approved Work Plan Budget

LOE
Term WAs Only

(\$)*

5,729

1,265,896

1,000

100,002

6,729

1,365,898

* Includes fees

Expenditure Limits Not to Be Exceeded

LOE
Term WAs only

(\$)*

5,479

1,241,067

1,000

100,002

6,479

1,341,069

* Includes fees

4. WA COMPLETION DATE

Current: 06-30-2016

Revised: _____

5. EPA COMMENTS:

This amendment directs HGL to develop a Focused Feasibility Study to evaluate interim alternatives for groundwater treatment.

6. APPROVALS

Contractor Signatures:

Site Manager/Firm

Date

Program Manager/Firm

Date

EPA Signatures:

/s/ Huu Ngo 08-20-2015

Work Assignment Manager

Date

Phone Number

215-814-3187

/s/ Mikal Shabazz 08-20-2015

Project Officer

Date

Phone Number

215-814-3281

☒ Approved As
Submitted ☐ Approved With
Changes ☐ Not
Approved

Jeffery K Gillette
Signature of Contracting Officer,

08/27/15
Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 0321		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
CODE 193942604		FACILITY CODE		10B. DATED (SEE ITEM 13) 06/28/2007	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Unilateral - B.2 Work Assignments

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this modification is to issue Revision 22 to Work Assignment 013TATA03P9, Revision 6 to Work Assignment 054RIFS032S, Revision 4 to Work Assignment 058RARAC368, Revision 1 to Work Assignment 062RXBF03W6 and Revision 4 to Work Assignment 063TATA03W6.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA <i>Tiffany K. Gillespie</i> (Signature of Contracting Officer)	16C. DATE SIGNED 09/15/15

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Hellertown Manufacturing Contractor: HGL WA No.: 013TATA03P9
 Activity: Technical Assistance EPA Contract No. EPS30705 Revision No.: Twenty-Two (22)
 Date: 09-10-2015 Contractor Control No. _____ Modification No.: 321

(Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate Contracting Officer Representative (COR)	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other Add LOE hours to the WA
--	---	--	--	---

3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total	960 88,897	960 93,897
This Action	0 5,000	0 5,000
New Total	960 93,897	960 93,897
Funding Category: <u>Bulk Funding</u> Activity Code: <u>TATAS/SID:03P9</u>		
	* Includes fees	* Includes fees

4. WA COMPLETION DATE

Current: 12-31-2015

Revised: _____

5. EPA COMMENTS:

This WA amendment adds dollars for the contractor to conduct additional sampling.

6. APPROVALS

Contractor Signatures:	EPA Signatures:
Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	Timothy M. Gallagher _____ 09-10-2015 Work Assignment Manager Date Mikal Shabazz _____ 09-10-2015 Environmental Engineer Date

☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved

 09/15/15
 Signature of Contracting Officer Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: AIW Frank - OUI Contractor: HGL WA No.: 054 RIFS 032S
 Activity: RIFS - Vapor Intrusion Sampling EPA Contract No. EP-S3-07- 05 Revision No.: Six (6)
 Date: 09-10-2015 Contractor Control No. _____ Modification No.: 321
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice . Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA	Approved Work Plan Budget	Expenditure Limits Not to Be Exceeded
Total Funding Received (\$)	LOE (\$)* Term WAs Only	LOE (\$)* Term WAs only
Previous Total	1112 \$ 136,597	1112 \$ 136,597
This Action	250 25,000	250 25,000
New Total	1362 \$ 161,597	1362 \$ 161,597
Funding Category: <u>Bulk</u>	* Includes fees	* Includes fees
Activity Code: <u>CO</u> S/SID: <u>032S</u>		

4. WA COMPLETION DATE Current: 06/30/2016 Revised: _____

5. EPA COMMENTS:

This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the cost and LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This work assignment amendment adds LOE and dollars for contract support in developing a draft Proposed Plan and Record of Decision.

In addition, the WAM is changed to Gregory Voigt.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: Gregory Voigt Work Assignment Manager Phone Number <u>(215) 814-5737</u> Date 09-10-2015 Mikal Shabazz Environmental Engineer Date 09-10-2015
---	---

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

 09/15/15
 Signature of Contracting Officer, Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Ravenswood PCE Contractor: HGL WA No.: 058RARAC368
 Activity: Remedial Action EPA Contract No. EP-S3-07-05 Revision No.: 4 (Four)
 Date: 09/14/2015 Contractor Control No. _____ Modification No.: 321
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) Attach SOW including schedule Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) Change in LOE or scope by task Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval Approve change in LOE, scope, or budget Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum Details on scope, budget, or schedule Minor shift within SOW (no change in \$/LOE) Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification Notify contractor to initiate WA closeout task Revise EL after final invoice <input checked="" type="checkbox"/> Other : Extend the POP
--	---	---	---	---

3. BUDGET INFORMATION

Completion WA Term WA	Approved Work Plan Budget	Expenditure Limits Not to Be Exceeded
Total Funding Received (\$)	LOE (\$)*	LOE (\$)*
	Term WAs Only	Term WAs only
Previous Total <u>1,243,002</u>	<u>4,860</u> <u>1,243,002</u>	<u>4,660</u> <u>1,115,546</u>
This Action <u>0</u>	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>
New Total <u>1,243,002</u>	<u>4,860</u> <u>1,243,002</u>	<u>4,660</u> <u>1,115,546</u>
	* Includes fees	* Includes fees
Funding Category: <u>Site Specific</u>		
Activity Code: <u>RA</u> S/SID: <u>C368</u>		

4. WA COMPLETION DATE Current: 9-30-2015 Revised: 9-30-2016

5. EPA COMMENTS:

This amendment extends the Period of Performance.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Anthony C. Jacobone</u> <u>09-14-2015</u> Work Assignment Manager _____ Date _____ Phone Number <u>215-814-5237</u> /s/ <u>Mikal Shabazz</u> <u>09-14-2015</u> Project Officer _____ Date _____ Phone Number <u>215-814-5779</u>
---	---

☒ Approved As Submitted
 ☐ Approved With Changes
 ☐ Not Approved

Signature of Contracting Officer Date 09/15/15

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn Area 5 OU2 Contractor: HGL WA No.: 062RXBF03W6
 Activity: Remedial Action Oversight EPA Contract No. EP-S3-07-05 Revision No.: 1 (One)
 Date: 09/15/2015 Contractor Control No. _____ Modification No.: 321
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA Attach SOW including schedule Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) Change in LOE or scope by task Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> WP Approval <input type="checkbox"/> Amendment to Final WP Approval Approve change in LOE, scope, or budget Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum Details on scope, budget, or schedule Minor shift within SOW (no change in \$/LOE) Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification Notify contractor to initiate WA closeout task Revise EL after final invoice <input checked="" type="checkbox"/> Other: Extend POP
---	--	---	---	---

3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input checked="" type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total <u>0</u>	<u>819</u>	<u>99,730</u>	<u>819</u>	<u>99,730</u>
This Action <u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
New Total <u>0</u>	<u>819</u>	<u>99,730</u>	<u>819</u>	<u>99,730</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>RXBF</u> S/SID: <u>03W6</u>				

4. WA COMPLETION DATE Current: 09-30-2015 Revised: 09-30-2016

5. EPA COMMENTS:

This work assignment amendment extends the Period of Performance.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Sharon Fang</u> _____ 09-15-2015 Work Assignment Manager Phone Number <u>215-814-3018</u> /s/ <u>Claudette Reed</u> _____ 09-15-2015 Project Officer Phone Number <u>215-814-2997</u>
---	--

☒ Approved As Submitted ☐ Approved With Changes ☐ Not Approved

 09/15/15
 Signature of Contracting Officer, _____ Date

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: North Penn Area 5 - OUI Contractor: HGL WA No.: 063TATA03W6
 Activity: Technical Assistance EPA Contract No. EP-S3-07-05 Revision No.: Four (4)
 Date: 09/10/2015 Contractor Control No. _____ Modification No.: 321
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA Attach SOW including schedule Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) Change in LOE or scope by task Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> WP Approval <input checked="" type="checkbox"/> Unilateral Amendment to Final WP Approval Approve change in LOE, scope, or budget Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum Details on scope, budget, or schedule Minor shift within SOW (no change in \$/LOE) Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding Fund approved WP <input type="checkbox"/> WA Closeout Notification Notify contractor to initiate WA closeout task Revise EL after final invoice <input checked="" type="checkbox"/> Other (Extend POP)
---	--	---	---	---

3. BUDGET INFORMATION

Completion WA <input type="checkbox"/> Term WA <input checked="" type="checkbox"/>	Approved Work Plan Budget		Expenditure Limits Not to Be Exceeded	
Total Funding Received (\$)	LOE Term WAs Only	(\$)*	LOE Term WAs only	(\$)*
Previous Total <u>0</u>	<u>1229</u>	<u>149,113</u>	<u>1229</u>	<u>149,113</u>
This Action <u>0</u>	<u>300</u>	<u>0</u>	<u>300</u>	<u>0</u>
New Total <u>0</u>	<u>1529</u>	<u>149,113</u>	<u>1529</u>	<u>149,113</u>
Funding Category: <u>Bulk Funding</u>	* Includes fees		* Includes fees	
Activity Code: <u>TATA</u> S/SID: <u>03W6</u>				

4. WA COMPLETION DATE Current: 12-30-2015 Revised: 03-31-2016

5. EPA COMMENTS:

This work assignment amendment is being issued on a unilateral basis in accordance with the contract. If the contractor concurs with the LOE hours, the contractor is required to return a signed copy of the work assignment form within 5 working days after receipt. If the contractor does not concur, this must be noted on the work assignment form.

This amendment extends the POP and adds 300 LOE hours for completion of Task 2 - Technical Assistance, in order to provide assistance with Environmental Alliance Comment 19.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Sharon Fang</u> _____ 09-10-2015 Work Assignment Manager Phone Number <u>215-814-3018</u> /s/ <u>Mikal Shabazz</u> _____ 09-10-2015 Project Officer Phone Number <u>215-814-3281</u>
---	---


☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer, _____ Date 09/15/15

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 0322		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule		Net Increase:		\$215,000.00	
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.			
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:			
X		D. OTHER (Specify type of modification and authority) Unilateral - B.2 Work Assignments and B.6 Limitation of Funds Notice			
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: 193942604 See Item 14 Continuation					

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 09/24/15

NSN 7540-01-152-8070
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STANDARD FORM 30 (REV. 10-83)
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EP-S3-07-05/0322

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-S3-07-05/0322	PAGE	OF
		2	5

NAME OF OFFEROR OR CONTRACTOR
HYDROGEOLOGIC INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Max Expire Date: 06/27/2017				
0075	Change Item 0075 to read as follows (amount shown is the obligated amount): HGL Inc. EP-S3-07-05 Kane and Lombard OU2 RI/FS oversight Obligated Amount: \$115,000.00 Requisition No: PR-R3-15-00413 Accounting Info: 15-TR2B-03S0XB2-303DD2-2505-03B2BD02-C002-1503SK1047-001 BFY: 15 Fund: TR2B Budget Org: 03S0XB2 Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03B2BD02 Cost: C002 DCN - Line ID: 1503SK1047-001 Funding Flag: Partial Funded: \$115,000.00				115,000.00
0076	Add Item 0076 as follows: HGL Inc. EP-S3-07-05 Bulk funds Requisition No: PR-R3-15-00517 Accounting Info: 15-T-3AS0P-303DD2-2505-C086-153ASB1032-001 BFY: 15 Fund: T Budget Org: 3AS0P Program (PRC): 303DD2 Budget (BOC): 2505 Job #: 03WQWQ00 Cost: C086 DCN - Line ID: 153ASB1032-001 Funding Flag: Partial Funded: \$100,000.00				100,000.00

Modification 322

Item 14 Continuation

1. The purpose of this modification is to obligate funds and to issue Revision 43 to Work Assignment 006RICO032C and Revision 14 to Work Assignment 047ROBE03B2.
2. Section B, Paragraph B.6, Limitation of Funds Notice (EP 52.232-100) is modified as follows:

	Contract Funding Thru MOD 319	Changes Under This MOD	Total Funding
Term Form Segment			
Estimated Cost	\$ Exemption (b) (4)		
Fixed Fee	\$		
Total	\$52,634,177.40	\$215,000.00	\$52,849,177.40

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Kane and Lombard Contractor: HGL WA No.: 047ROBE03B2
 Activity: RD Oversight EPA Contract No. EP-S3-0705 Revision No.: 14 (Fourteen)
 Date: 09-23-2015 Contractor Control No. _____ Modification No.: 322
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) <input type="checkbox"/> Attach SOW including schedule <input type="checkbox"/> Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) <input type="checkbox"/> Change in LOE or scope by task <input type="checkbox"/> Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input checked="" type="checkbox"/> Amendment to Final WP Approval <input type="checkbox"/> Approve change in LOE, scope, or budget <input type="checkbox"/> Approve additional tasks	<input type="checkbox"/> Technical Direction Memorandum <input type="checkbox"/> Details on scope, budget, or schedule <input type="checkbox"/> Minor shift within SOW (no change in \$/LOE) <input type="checkbox"/> Change WAM <input checked="" type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding <input type="checkbox"/> Fund approved WP <input type="checkbox"/> WA Closeout Notification <input type="checkbox"/> Notify contractor to initiate WA closeout task <input type="checkbox"/> Revise EL after final invoice <input type="checkbox"/> Other _____
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>145,165</u>	<u>1,072</u> <u>140,165</u>	<u>1,122</u> <u>145,165</u>
This Action <u>115,000</u>	<u>899</u> <u>108,046</u>	<u>849</u> <u>103,046</u>
New Total <u>260,165</u>	<u>1,971</u> <u>248,211</u> * Includes fees	<u>1,971</u> <u>248,211</u> * Includes fees
Funding Category: <u>Site Specific</u>		
Activity Code: <u>ROBE</u> S/SID: 03B2		

4. WA COMPLETION DATE Current: 06-30-2017 Revised: _____


5. EPA COMMENTS:

This WA amendment approves HGL's Work Plan and Cost Estimate, dated August 28, 2015 and revised on September 17, 2015.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Bhupendra Khona</u> <u>09-23-2015</u> Work Assignment Manager Date Phone Number <u>(215) 814-3213</u> /s/ <u>Mikal Shabazz</u> <u>09-23-2015</u> Project Officer Ext. 4-3281 Date
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☐ Approved As Submitted ☒ Approved With Changes ☐ Not Approved


 Signature of Contracting Officer,

09/24/15
 Date

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 0323		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY REGION 3 US ENVIRONMENTAL PROTECTION AGENCY 1650 ARCH STREET PHILADELPHIA PA 19103-2029		CODE R3		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HYDROGEOLOGIC INC 11107 SUNSET HILLS ROAD SUITE 400 RESTON VA 20190-5309		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-S3-07-05	
				10B. DATED (SEE ITEM 13) 06/28/2007	
CODE 193942604		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Unilateral - B.2 Work Assignments

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 193942604

The purpose of this Modification is to issue Revision 8 to Work Assignment 060RARA03H6,

Max Expire Date: 06/27/2017

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Tiffany Gillespie	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Tiffany K Gillespie (Signature of Contracting Officer)	16C. DATE SIGNED 10/08/15

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Prescribed by GSA
FAR (48 CFR) 53.243

EPA WORK ASSIGNMENT FORM (WAF) FOR RAC

1. WORK ASSIGNMENT (WA) INFORMATION

Project Name: Standard Chlorine of DE - OU3 Contractor: HGL WA No.: 060RARA03H6
 Activity: Remedial Action EPA Contract No. EP-S3-07-05 Revision No.: 8 (Eight)
 Date: 10/01/2015 Contractor Control No. _____ Modification No. 323
 (Contracting Officer Use Only)

2. DESCRIPTION OF ACTION

<input type="checkbox"/> New WA (need WP for the WA) . Attach SOW including schedule . Designate WAM	<input type="checkbox"/> WA Amendment (need revised WP and/or cost estimate) . Change in LOE or scope by task . Add additional tasks or funds for increased activity	<input type="checkbox"/> Partial WP Approval <input type="checkbox"/> WP Disapproval <input type="checkbox"/> Final WP Approval <input type="checkbox"/> Amendment to Final WP Approval . Approve change in LOE, scope, or budget . Approve additional tasks	<input checked="" type="checkbox"/> Technical Direction Memorandum . Details on scope, budget, or schedule . Minor shift within SOW (no change in \$/LOE) . Change WAM <input type="checkbox"/> Set or revise expenditure limit (EL)	<input type="checkbox"/> Incremental Funding . Fund approved WP <input type="checkbox"/> WA Closeout Notification . Notify contractor to initiate WA closeout task . Revise EL after final invoice <input checked="" type="checkbox"/> Other <u>Revise the Period of Performance</u>
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3. BUDGET INFORMATION

<input type="checkbox"/> Completion WA <input checked="" type="checkbox"/> Term WA Total Funding Received (\$)	Approved Work Plan Budget LOE (\$)* Term WAs Only	Expenditure Limits Not to Be Exceeded LOE (\$)* Term WAs only
Previous Total <u>17,400,000</u>	<u>13,846</u> <u>17,390,395</u>	<u>13,846</u> <u>17,390,395</u>
This Action <u>0</u>	<u>0</u> <u>0</u>	<u>0</u> <u>0</u>
New Total <u>17,400,000</u>	<u>13,846</u> <u>17,390,395</u>	<u>13,846</u> <u>17,390,395</u>
Funding Category: <u>Site-Specific</u>	* Includes fees	* Includes fees
Activity Code: <u>RARA</u> S/SID: <u>03H6</u>		

4. WA COMPLETION DATE Current: 06-30-2017 Revised: 6-27-2017

5. EPA COMMENTS:

This amendment authorizes the contractor to use a Geosynthetic Clay Liner (GCL) - The contractor shall use a single layer GCL in lieu of the 24-inch compacted low permeability soil layer specified in the Final Remedial Design for OU3. This is also in lieu of the combined 12-inch compacted low permeability soil layer and GCL that was provided as an option in the Final Remedial Design for OU3.

This amendment also includes Additional Scoping. The following tasks shall be added to the contractor's Statement of Work:

- Move or replace the existing fence line along the southern boundary of the site to the north side of existing public water supply line.
- Remove existing asphalt and concrete on the southern boundary of the site; prepare the subgrade for seeding with grass; provide topsoil and mulch; and establish grass vegetation.

6. APPROVALS

Contractor Signatures: Site Manager/Firm _____ Date _____ Program Manager/Firm _____ Date _____	EPA Signatures: /s/ <u>Brad White</u> <u>10-01-2015</u> Work Assignment Manager Date Phone Number <u>215-814-3217</u> /s/ <u>Mikal Shabazz</u> <u>10-01-2015</u> Project Officer Date Phone Number <u>215-814-3281</u>
<input checked="" type="checkbox"/> Approved As Submitted <input type="checkbox"/> Approved With Changes <input type="checkbox"/> Not Approved	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <u>Lillian K. Billiepie</u> Signature of Contracting Officer, </div> <div> <u>10/08/15</u> Date </div> </div>	